BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	'
Abies cephalonica Greek Fir; Grecian Fir EVERGREEN CONIFER; bright glossy dark green pointed needles; breaks bud early in season which		6 - 7'	B&B		- N
can be damaged by late frosts; large pyramidal to 100' or more in its' native range; intolerant of atmospheric pollution; does not transplant well at larger sizes; deer browse resistant; locate in full sun or partial shade & well-drained moisture retentive soils; tolerant of most soil acidity; native to Greece; Zones 5 - 7					
Abies nordmanniana		7 - 8'	B&B		-
Nordmann Fir; Caucasian Fir					
EVERGREEN CONIFER; flat grossy dark green needles notched & rounded at the tip; pyramidal habit to about 50' tall & half as wide at the base; 6" by 2" cylindrical cones mature to reddish-brown; deer					
browse resistant; locate in full to partial sun & very well-drained slightly acidic moisture retentive soil;					
one of the most heat tolerant species; southwestern Asian native; Zones (4) 5 - 6 (7)					
Acer campestre Metro Gold® ('Panacek')		2 - 2.5"c	B&B		N
Hedge Maple					
DECIDUOUS SHADE TREE; inconspicuous yellowish-green flowers in late April or May; minimal fruit set; larger darker green leaves that turn bright yellow in fall; tight upright habit to about 35' by 20'					
wide; good street tree under wires; tolerates urban conditions; locate in full sun to partial shade & about					
any well-drained soil; native of Europe & Africa (Panacek / Schmidt) Zones 6 - 8					
Acer campestre Queen Elizabeth ('Evelyn')		2 - 2.5"c	B&B		_
Hedge Maple		2.5 - 3"c	B&B		N
DECIDUOUS SHADE TREE; small tree to about 35' tall with a 30' wide head; more vigorous than the					
species with larger darker green leaves; good street tree under utility lines; yellowish fall foliage; locate in full sun to partial shade & about any well drained & compacted soil; native of Europe & Africa					
(Schmidt) Zones (5) 6 - 8					
Acer x freemanii 'Armstrong'		6 - 8'	2g		_
Columnar Freeman Maple		2 - 2.5"c	B&B		-
DECIDUOUS SHADE TREE; small reddish-green flowers before the foliage; variable reddish to	,				
reddish-orange fall foliage; silvery-gray bark; columnar habit to about 60' tall by 20' wide; locate in ful sun & most any soil regardless of acidity or moisture but not wet; native US cross [A. rubrum x A.					
saccharinum] Zones 3 - 9					
Acer x freemanii Autumn Blaze ® ('Jeffersred')		2 - 2.5"c	B&B		- N
Freeman Maple					
DECIDUOUS SHADE TREE; minimal small inconspicuous red to yellowish-green flowers; orange-red to)				
scarlet red fall foliage; broadly upright habit to about 55' tall by 40 ' wide at maturity; adaptable to a wide range of conditions; tolerates extended wet soils; locate in full sun or light shade & most any soil					
regardless of acidity or moisture but not continually wet; native US cross [A. rubrum x A. saccharinum]					
(Jeffers) Zones 3 - 7					
Acer griseum		6 - 7'	B&B		_
BUSH		8 - 10'	B&B		-
Paperbark Maple DECIDUOUS ORNAMENTAL TREE; variable exfoliating cinnamon bark; green foliage turns to shades					
of red in the fall; variable growth & branching reaching to about 25' tall & wide or larger; branching					
starts at the ground - usually with multiple main trunks; locate in full sun to partial shade; tolerates					
most soils with good to moderate drainage; PHS Gold Metal; native of China; Zones 5 - 7					
Acer griseum		2 - 2.5"c	B&B		-
TREE FORM					
Paperbark Maple DECIDUOUS ORNAMENTAL TREE; variable exfoliating cinnamon bark; green foliage turns to shades					
of red in the fall; variable growth & branching reaching to about 25' tall & wide or larger; there is a					
single trunk for 3' to 6' or possibly more; locate in full sun to partial shade; tolerates most soils with					
good to moderate drainage; PHS Gold Metal; native of China; Zones 5 - 7					
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Washington Crossing, PA 18977-1125			fax: (26	7) 397-2	2076

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
Acer rubrum Red Maple; Swamp Maple DECIDUOUS SHADE TREE; small dark red flowers in early spring; dark green summer foliage turns		3 - 5'	2g		-
variable shades of yellow to bright red in fall; large broadly upright habit to about 50' or more tall with neads close to that width; locate in full sun & moisture retentive well-drained slightly acidic soil; US native; Zones 3 - 9					
Acer rubrum 'Brandywine'		6 - 8'	2g		- 1
Red Maple; Swamp Maple DECIDUOUS SHADE TREE; profuse small dark red male flowers in early spring; seedless; medium green summer foliage turns red before becoming purple-red & is resistant to leafhoppers; oval to pyramidal habit to about 35' tall by 20' wide; locate in full sun & moisture retentive well-drained slightly	,				
acidic soil; US native (Townsend / USNA) Zones 4 - 9					
Acer rubrum 'Karpick' Fastigiate Red Maple; Fastigiate Swamp Maple DECIDUOUS SHADE TREE; small red flowers appear in early spring before the foliage & presents a reddish cast; male/seedless; compact upright pyramidal habit to about 50' tall by 20' wide; dark green summer foliage turns shades of yellow &/or red in mid-fall; locate in full sun & moisture retentive well-drained slightly acidic soil; US native (Schichtel) Zones 4 - 9		6 - 8'	2g		- N
Acer rubrum 'October Glory' Red Maple; Swamp Maple DECIDUOUS SHADE TREE; small dark red flowers in early spring; broad oval head to about 50' tall & about as wide; brilliant orange-red to red fall foliage; the last A. rubrum to color in fall; locate in full sur & moisture retentive well-drained slightly acidic soil; not as cold hardy as Red Sunset; US native	7	5 - 6'	2g		-
(Flemer) Zone 5 - 9					
Acer rubrum Red Sunset ('Franksred') Red Maple; Swamp Maple DECIDUOUS SHADE TREE; small dark red flowers in early spring; pyramidal to rounded head; grows		5 - 6' stk 2 - 2.5"c 2.5 - 3"c	3g B&B B&B		-
to 50' tall; showy orange to red fall foliage; locate in full sun & moisture retentive well-drained slightly acidic soil; US native; not as drought tolerant as most other cultivars (Schmidt) Zones 4 - 9		3 - 3.5"c 3.5 - 4"c	B&B B&B		-
Acer rubrum Redpoint ('Frank Jr') Red Maple; Swamp Maple DECIDUOUS SHADE TREE; small dark red flowers in early spring; rapid growing broadly pyramidal habit to about 45' tall by 30' wide with dominant central leader; dark green summer foliage turns bright red in early fall; locate in full sun & moisture retentive well-drained slightly acidic soil; US native (Schmidt) Zones 4 - 9		2.5 - 3"c 3 - 3.5"c	B&B B&B		-
Acer rubrum 'Sun Valley' Red Maple; Swamp Maple DECIDUOUS SHADE TREE; small dark red flowers in early spring; upright oval crown to about 20' tall & 10' wide at 10 years; smaller than normal medium green summer leafhopper resistant foliage turns brilliant bright red in fall; seedless; locate in full sun & moisture retentive well-drained slightly acidic soil; US native (Townsend / USNA) Zones 4 - 7	,	2 - 3' stk 2 - 2.5"c 2.5 - 3"c	2g B&B B&B		-
Acer saccharum 'Commemoration' Sugar Maple DECIDUOUS SHADE TREE; fast grower with oval to rounded head gets about 50' tall by 35' wide; dense thick dark green foliage resists leaf tatter & turns brilliant orange & yellow in fall; locate in full sun or partial shade & well-drained organic soil; not tolerant of compacted soils deicing salt reflected heat or restricted root zones; US native (Wandell) Zones 4 - 8		2 - 2.5"c	B&B		-
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AVAIL.	SIZE	ROOTS	QNTY	′
	2 - 2.5"c	B&B		-
				- 1
	4 - 4.5"c	B&B		- N
L				
	2.5 - 3"c	B&B		-
	3 - 3.5"c	B&B		- N
/	3.5 - 4"c	B&B		- N
	2 - 2.5"c	B&B		-
ł	2.5 - 3"c	B&B		-
	3 - 3.5"c	B&B		-
Spring	6 - 7'	B&B		-
	2 - 2.5"c	B&B		- N
i				
1				
	3 - 4'	7g		- N
	24 - 30"	7g		_
		5		
	6'	10a		- N
	-	9		- 1 M
		phone: (21) fax: (26 ail: Phin@RI	5) 321-4	545
	I	$\begin{array}{c} 2 - 2.5 \ c \\ 3.5 - 4 \ c \\ 4 - 4.5 \ c \\ \hline \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ &$	2 - 2.5"c B&B $3.5 - 4$ "c B&B $4 - 4.5$ "c B&B $4 - 4.5$ "c B&B $2.5 - 3$ "c B&B $3 - 3.5$ "c B&B $3.5 - 4$ "c B&B $3 - 3.5$ "c B&B 4 $2 - 2.5$ "c B&B 4 $3 - 4'$ $7g$ 4 $3 - 4'$ $7g$ $24 - 30$ " $7g$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

mmina triloba 'NC-1' 1 Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; yellow edible rd-like fruit in late summer tastes almost like a banana or mango; needs other cultivar to pollinate; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; disease resistant; locate in full sun or minimal e & well-drained moisture retentive soil, eastern US native; Canadian introduction; Zones (4) 5 - 8 mmina triloba 'Pennsylvania Golden' Gold Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; large yellow edible rd-like fruit that ripens early to mid-season & tastes almost like a banana or mango; needs other var to pollinate; medium green summer foliage in groups of 3 turns yellow in fall; somewhat open rstory tree to about 20' high & wide; highly resistant to deer browse; disease resistant; locate in full r minimal shade & well-drained moisture retentive soil, eastern US native; Zones 5 - 8 mmina triloba 'Prolific' ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large we dible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; disease resistant; locate in full r minimal shade & well-drained moisture retentive soil, eastern US native; Zones 5 - 8 mmina triloba 'Prolific' ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large we dible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8 lea 'Golden Comet'	5 - 6' 6 - 7' 4 - 5'	10g	- 1
rd-like fruit in late summer tastes almost like a banana or mango; needs other cultivar to pollinate; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; disease resistant; locate in full sun or minimal e & well-drained moisture retentive soil, eastern US native; Canadian introduction; Zones (4) 5 - 8 mmina triloba 'Pennsylvania Golden' Gold Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; large yellow edible rd-like fruit that ripens early to mid-season & tastes almost like a banana or mango; needs other var to pollinate; medium green summer foliage in groups of 3 turns yellow in fall; somewhat open rstory tree to about 20' high & wide; highly resistant to deer browse; disease resistant; locate in full r minimal shade & well-drained moisture retentive soil, eastern US native; Zones 5 - 8 mmina triloba 'Prolific' ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large we dible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8			- 1
Gold Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; large yellow edible rd-like fruit that ripens early to mid-season & tastes almost like a banana or mango; needs other var to pollinate; medium green summer foliage in groups of 3 turns yellow in fall; somewhat open rstory tree to about 20' high & wide; highly resistant to deer browse; disease resistant; locate in full r minimal shade & well-drained moisture retentive soil, eastern US native; Zones 5 - 8 mmina triloba 'Prolific' ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large w edible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8			- 1
DUOUS FLOWERING TREE; purple flower in May just before the new foliage; large yellow edible rd-like fruit that ripens early to mid-season & tastes almost like a banana or mango; needs other var to pollinate; medium green summer foliage in groups of 3 turns yellow in fall; somewhat open rstory tree to about 20' high & wide; highly resistant to deer browse; disease resistant; locate in full r minimal shade & well-drained moisture retentive soil, eastern US native; Zones 5 - 8 mmina triloba 'Prolific' ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large w edible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8	 4 - 5'	10g	
ific Pawpaw DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large w edible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8	4 - 5'	10g	
DUOUS FLOWERING TREE; purple flower in May just before the new foliage; masses of large w edible custard-like fruit in late summer or early fall tastes almost like a banana or mango; um green summer foliage in groups of 3 turns yellow in fall; somewhat open understory tree to t 20' high & wide; highly resistant to deer browse; locate in full sun or shade & moist to wet soils, ugh is being seen in dryer sites; eastern US native; Zones 5 - 8			- 1
lea 'Golden Comet'			
ow Pontic Azalea	18 - 21"	5g	 1
DUOUS FLOWERING SHRUB; large very fragrant bright yellow trusses of up to 30 flowers with a er throat for an extended time in mid-spring; yellowish-green summer foliage turns bright red to lish in fall & resists powdery mildew; broadly upright habit to about 4' tall & wide; must be planted with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in full o partial shade & well-drained moisture retentive acidic soil; European native [R. luteum] bins / R. Species F.) (- 20° F) - 15° F Iea 'Poukhanense'			_
Rhododendron yedoense var. poukhanense			
ula nigra CLUMP	6 - 8'	7g	 - 1
er Birch DUOUS ORNAMENTAL TREE; broadly pyramidal heads to about 40' or more tall; shaggy tan iating bark; golden fall foliage; bronze birch borer resistant; tolerates a wide soil range; fall dig rd; locate in full sun or minimal shade & moist acidic soil; somewhat drought tolerant; US native; s 4 - 9			
ula nigra Heritage® ('Cully')	7 - 8'	B&B	 - 1
CLUMP The Birch DUOUS ORNAMENTAL TREE; insignificant flowers are brown (male) or green (female) catkins in g; creamy-tan bark exfoliates at an early age; dark green summer foliage turns variable shades of w in fall; broadly upright habit to about 45' tall by 30' wide; 3 or more main trunks; resists ght, leaf spot & borers; tolerates wet soils; fall dig hazard; locate in full sun or minimal shade & t acidic soil; supposedly improved selection of original Heritage; US native (Cully) Zones 3 - 9	8 - 10' 10 - 12'	B&B B&B	-

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Buxus x Chicagoland Green ('Glencoe')		15 - 18" spr	-	
preading Hybrid Boxwood		24 - 30" spr		
ROADLEAF EVERGREEN SHRUB; compact spreading evergreen to 3' tall; 2 winter tests in Kansas		30 - 36" spr	B&B	
-13° & -10°) indicates this has the best winter color retention; resists deer & rabbit browse; subject to				
everal foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic				
soil that's slightly acidic to slightly alkaline; fairly drought tolerant [B. sempervirens x B. sinica var.				
nsularis] Zones (4) 5 - 8				
Buxus x 'Green Mountain'		30 - 36"	B&B	
BUSH	1			
Pyramidal Hybrid Boxwood				
BROADLEAF EVERGREEN SHRUB; dark green summer & winter foliage; broadly pyramidal habit to				
about 5' tall by 4' wide in 10 years; tops sheared to be about as tall as wide; resists deer & rabbit browse while the several foliar diseases: leasts in full our to moderate chode % maintum retarting well drained	7			
subject to several foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained				
organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant [B. microphylla var.				
koreana x B. sempervirens] (Sheridan Ns) Zones 5 - 8				
Buxus microphylla 'Green Beauty'		15 - 18" spr	5g	
ittleleef Developed	1			
_ittleleaf Boxwood 3ROADLEAF EVERGREEN SHRUB; dark green summer foliage; minimal winter bronzing; compact				
globular mound to about 3' & wide; suitable in all sun exposures; resists deer & rabbit browse; subject to	-			
reveral foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic	,			
coil that's slightly acidic to slightly alkaline; fairly drought tolerant; Japan native; Zones (5) 6 - 8 (9)				
Buxus microphylla 'Winter Gem' see: Buxus sinica var. insularis 'Winter Gem'				
Buxus microphylla 'Wintergreen' see: Buxus sinica var. insularis 'Wintergreen'				
Buxus sempervirens 'Dee Runk'		18 - 24"	5g	
Fastigiate Common Boxwood		36 - 42"	B&B	
BROADLEAF EVERGREEN SHRUB; upright conical shrub to 10' tall by 3' wide; dark green foliage;				
adapts well to poor soils; tolerates all light conditions; stronger upright branching than 'Graham				
Blandy'; resists deer & rabbit browse; subject to several foliar diseases; locate in full sun to moderate				
shade & moisture retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly				
drought tolerant; PHS Gold Metal; native to Europe, Asia & Africa; Zones (5) 6 - 8				
Buxus sempervirens 'Elegantissima'		10 - 12"	Зg	
BUSH	1			
/ariegated Common Boxwood				
BROADLEAF EVERGREEN SHRUB; foliage has creamy white edges surrounding dark green centers;				
slow upright rounded habit; resists deer & rabbit browse; subject to several foliar diseases; locate in ful				
sun to moderate shade & moisture retentive well-drained organic soil that's slightly acidic to slightly				
alkaline; fairly drought tolerant; native to Europe, Asia & Africa; Zones 5 - 8				
Buxus sempervirens 'Graham Blandy'		5 - 6'	B&B	
Columnar Common Boxwood				
BROADLEAF EVERGREEN SHRUB; dark green foliage; very narrow upright habit to about 10' tall by				
2' wide; narrower but more susceptible to disease & insects than other columnar forms; resists deer &				
rabbit browse; subject to several foliar diseases; locate in full sun to moderate shade & moisture				
retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant;				
native to Europe, Asia & Africa; Zones 5 - 7				

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Buxus sempervirens 'Suffruticosa' Dwarf English Boxwood BROADLEAF EVERGREEN SHRUB; medium to dark green foliage; very slow broadly upright habit to about 2' tall by 18" wide in 10 or more years; broadens with age; resists deer & rabbit browse; subject to several foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant; native to Europe, Asia & Africa; Zones 5 - 8)	24 - 30"	B&B		-
Buxus sinica var. insularis 'Tide Hill' Dwarf Korean Littleleaf Boxwood BROADLEAF EVERGREEN SHRUB; medium green foliage will sunburn in summer without afternoon or filtered shade; slow growing broadly spreading habit to about 15" tall & much wider; resists deer & rabbit browse; subject to several foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant; Korean native; Zones (5) 6 - 9		15 - 18" spr	5g		
Buxus sinica var. insularis 'Winter Gem' Korean Littleleaf Boxwood BROADLEAF EVERGREEN SHRUB; new lime-green foliage matures to dark glossy green; compact spreading habit to about 4' tall & wide in 10 years; resists deer & rabbit browse; subject to several foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant; Japan native; Zones 5 - 9		12 - 15" spr 15 - 18" spr	-		- N
Buxus sinica var. insularis 'Wintergreen' BUSH Korean Littleleaf Boxwood BROADLEAF EVERGREEN SHRUB; dark green foliage color is retained in most winters; compact rounded mounding habit to about 5' tall & wide in 15 years; resists deer & rabbit browse; subject to several foliar diseases; locate in full sun to moderate shade & moisture retentive well-drained organic soil that's slightly acidic to slightly alkaline; fairly drought tolerant; Korean native; Zones 4 - 9	1	30 - 36" spr 36 - 42" spr			
Callitropsis nootkatensis see: Chamaecyparis nootkatensis					
Calocedrus decurrens (Longwood strain) Incense Cedar EVERGREEN CONIFER; columnar habit to about 50' in eastern US, much more out west; bright green foliage; locate in full sun or light shade with well-drained organic soils; quite drought & heat tolerant when established; not tolerant of urban conditions; native to western US; Zones 5 - 10		6 - 7' 7 - 8'	B&B B&B		- N - N
Carpinus betulus 'Franz Fontaine' BRANCHED @ 5 Columnar European Hornbeam DECIDUOUS ORNAMENTAL TREE; yellowish-green catkins in early spring; medium green summer foliage turns yellowish then tan by winter; narrower columnar habit that's supposed to stay that way when matures; Franz can't read so also gets about 40' tall & about 30' wide; good for hedging as it takes shearing well & the foliage is often retained through winter - especially in protected locations; branching normally starts at 5' above the ground; locate in full sun or part shade & any soil with moderate drainage; native to Europe & Asia Minor; Zones 5 - 8	5	2 - 2.5"c 2.5 - 3"c	B&B B&B		- N - N
Carpinus betulus 'Franz Fontaine' LOW BRANCHEE	Spring)	7 - 8'	B&B		- N
Fastigiate European Hornbeam DECIDUOUS ORNAMENTAL TREE; yellowish-green catkins in early spring; medium green summer foliage turns yellowish then tan by winter; narrower columnar habit that's supposed to stay that way when matures; Franz can't read so also gets about 40' tall & about 30' wide; good for hedging as it takes shearing well & the foliage is often retained through winter - especially in protected locations; branching starts at or near the ground; locate in full sun or part shade & any soil with moderate drainage; native to Europe & Asia Minor; Zones 5 - 8					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Carpinus caroliniana		6 - 7' stk	2g	
American Hornbeam; Ironwood; Musclewood		2 - 2.5"c	B&B	
DECIDUOUS SHADE TREE; new foliage emerges with purplish tints before maturing to dark green by		2.5 - 3"c	B&B	
ummer then variable shades of yellow orange or red in fall; smooth irregularly fluted gray bark; slow		3 - 3.5"c	B&B	
roadly upright habit to about 30' tall & wide; tolerant of heavy shearing; branching starts about 4'		3.5 - 4"c	B&B	
above the ground; locate in full sun or full shade & just about soil condition; US native; Zones 3 - 9		4 - 4.5"c	B&B	
Carpinus caroliniana Wisconsin Red â,,¢ ('My Select Strain') American Hornbeam; Ironwood; Musclewood		5 - 6'	2g	
DECIDUOUS SHADE TREE; inconspicuous white (female) or green (male) catkins in early spring; reddish-orange to brown nut in fall; dark green summer foliage becomes variable shades of red, orange & yellow in fall; best fall color in full sun; smooth irregularly fluted gray bark; broadly upright heads to hbout 20' tall by 15' wide; locate in full sun or full shade & well-drained moisture retentive neutral or ncidic soil; US native (Yanny) Zones 3 - 9				
Catalpa speciosa		2 - 2.5"c	B&B	
Northern Catalpa		2.5 - 3"c	B&B	
DECIDUOUS SHADE TREE; 2" white flowers in large upright panicles in late May or early June; long		3 - 3.5"c	B&B	
narrow brown seed pods in fall; heart-shaped green summer foliage turns yellowish-green in fall; rapid	1	3.5 - 4"c	B&B	
growing upright habit to about 60' tall by 40' wide or more; locate in sun or partial shade & just about		4 - 5.5"c	B&B	
any soil with reasonable drainage; native to central US; Zones 4 - 8 (9)				
Ceanothus Lemon Ice		18 - 21"	2g	
		10-21	zy	
/ariegated California Lilac EVERGREEN FLOWERING SHRUB; clusters of tiny fragrant medium blue flowers from late spring into	,			
summer; dark green summer foliage with gold margins; bushy upright habit to about 4' tall by 3' wide;				
olerates drought; deep nitrogen fixing roots are good for erosion control; locate in full sun & most				
vell-drained soils (Hoogenrad) Zones 6 - 10				
-				
Celtis occidentalis		5 - 6'	3g	
Common Hackberry		2 - 2.5"c	B&B	
DECIDUOUS SHADE TREE; pyramidal headed shade tree growing to 50' tall and about as wide; yellow	/	2.5 - 3"c	B&B	
fall foliage; tolerant of urban conditions, some salt exposure & most pests; drought tolerant; locate in				
full sun & just about any soil that isn't wet for extended periods; native to US & Canada; Zones 3 - 7 (8)				
Cephalotaxus harringtonia 'Drupacea' see: Cephalotaxus harringtonia var. drupacea				
Cephalotaxus harringtonia 'Duke Gardens'		15 - 18" spr	7g	
Spreading Plum Yew		30 - 36" spr	B&B	
EVERGREEN CONIFER; medium to dark green needles; fairly slow growing compact spreading				
nound, getting about as wide as high; resists deer browse; locate in full sun to moderate shade & any				
soil with reasonable drainage; PHS Gold Metal winner; Asian native; Zones 6 - 8 (9)				
Cephalotaxus harringtonia 'Fastigiata'		30 - 36"	B&B	
Fastigiate Plum Yew			200	
EVERGREEN CONFIER; narrow upright when young; gets much wider at maturity; new yellowish				
spring foliage turns dark green when mature; slow grower; resistant to deer browse; locate in full sun				
to moderate shade & most soils with reasonable drainage; Asian native; Zones 6 - 9				
-		20 20"		
Cephalotaxus harringtonia var. drupacea		30 - 36" spr	B&B	
Spreading Plum Yew				
EVERGREEN CONFIER; a variable variety in many aspects from habit to foliage size; some plants are decidedly upright while others are prominently spreading; most peedles are or approach 2" long; they				
decidedly upright while others are prominently spreading; most needles are or approach 2" long; they				
ake quite a bit of heat; slow grower; more growth in partial to full shade; most plants in the trade are				
slightly wider than tall and make great hedges; resistant to deer browse; locate in full sun to moderate				
shade & most well-drained soils; Asian native; Zones (5) 6 - 9				

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Cercis canadensis	Spring	6 - 7'	B&B	
	Spring	7 - 8'	B&B	
Eastern Redbud	Spring	8 - 10'	B&B	
DECIDUOUS ORNAMENTAL TREE; bright lavender-pink blooms along all the branches in April; sprin	g			
foliage emerges reddish before turning dark green by summer then variable shades of yellow in fall;				
wide-spreading tree to about 25' tall by 35' wide; branching starts at the ground; resistant to Black				
Nalnut; locate in full sun or partial shade & any well-drained moisture retentive soil; not tolerant of				
very wet or dry soils; US native; Zones (3) 4 - 9				
Cercis canadensis	Spring	2 - 2.5"c	B&B	
TREE FORM	Spring	2.5 - 3"c	B&B	
Eastern Redbud	Spring	3 - 3.5"c	B&B	
DECIDUOUS ORNAMENTAL TREE; bright lavender-pink blooms along all the branches in April; sprin	g			
foliage emerges reddish before turning dark green by summer then variable shades of yellow in fall;				
vide-spreading tree to about 25' tall by 35' wide; branching usually starts about 3' to 5' above the				
ground from a single stem; resistant to Black Walnut; locate in full sun or partial shade & any				
well-drained moisture retentive soil; not tolerant of very wet or dry soils; US native; Zones (3) 4 - 9				
Cercis canadensis Carolina Sweetheartâ,¢ ('NCCC1')	Spring	2"c	B&B	
Variegated Eastern Redbud	-19		230	
DECIDUOUS ORNAMENTAL TREE; flowers are more pink than the species; new leaves unfurl bright				
pink & soon add green & white before maturing to mostly green by summer then variable shades of				
ellow in fall; wide-spreading tree to about 25' tall by 35' wide; resistant to Black Walnut; locate in full				
sun or partial shade & any well-drained moisture retentive soil; not tolerant of very wet or dry soils; US	5			
native (Star) Zones 4 - 9				
Cercis canadensis 'Merlot'	Spring	2"c	B&B	
Purple-leaf Eastern Redbud	Spring	2.5 - 3"c	B&B	
DECIDUOUS ORNAMENTAL TREE; bright pink self-cleaning flowers in April; low seed set; smaller	-1 5			
hicker spring foliage emerges purple before turning dark green by late summer then variable shades of				
ellow in fall; compact spreading habit to about 20' tall by 25' wide; branching more horizontal than				
Forest Pansy'; resistant to Black Walnut; locate in full sun or partial shade & any well-drained moistur	e			
retentive soil; not tolerant of very wet soil; parentage makes it more heat & drought tolerant; US native				
"Texas White' x 'Forest Pansy'] (Werner / Plant Haven) Zones 4 - 9				
Cercis canadensis 'Pink Heartbreaker'	Spring	2 - 2.5"c	B&B	
Neeping Eastern Redbud	Spring	2.5 - 3"c	B&B	
DECIDUOUS ORNAMENTAL TREE; profuse lavender-pink flowers in April; spring foliage emerges	-1 5			
reddish before turning dark green by summer then variable shades of yellow in fall; broadly weeping				
habit; height is determined by staking; resistant to Black Walnut; locate in full sun or partial shade &				
any well-drained moisture retentive soil; not tolerant of very wet or dry soils; US native (Eaton) Zones				
<i>4-9</i>				
Chamaecyparis nootkatensis 'Pendula'		7 - 8'	B&B	
Weeping Alaskan Cedar			- 20	
EVERGREEN ORNAMENTAL CONIFER; flatened sprays of medium green foliage; pronounced single				
eader; appears to be several forms with branches arching out & downward from the trunk or weeping				
from horizontal secondary branches; irregular pyramidal habit to about 15' tall by 8' wide in 10 years;				
ocate in full sun or partial shade & deep organic well-drained moisture retentive soil; northwestern US				
native [Genus renamed: Cupressus] Zones 4 - 7 (8)				
Chamaecyparis obtusa		8 - 10' hvy	B&B	
Hinoki Cypress; Hinoki Falsecypress		10 - 12' hvy		
EVERGREEN CONIFER; dark rich green foliage; variable upright habit to about 12" tall by 6' wide in 10	0	12 - 14' hvy		
years; can be open when young if not sheared; timber tree in Japan; locate in full to mostly sunny		,		
ocation & organic well-drained moisture retentive soil; Japanese native; Zones 5 - 8				

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	Ļ
Chamaecyparis obtusa 'Compacta'		36 - 42"	B&B		
Compact Hinoki Cypress					
EVERGREEN ORNAMENTAL CONIFER; bright dark green foliage; compact (not dwarf) upright habit					
o about 3' tall by 2' wide in 10 years; ultimate size varies greatly with local conditions; also probably a ot of strains with various growth rates; locate in full to mostly sunny location & organic well-drained					
noisture retentive soil; Japanese native; Zones 5 - 8					
					_
Chamaecyparis obtusa 'Crippsii'	Spring	6 - 7'	B&B		
Golden Hinoki Cypress	Spring	7 - 8'	B&B		
EVERGREEN ORNAMENTAL CONIFER; bright golden lacy foliage; best gold for the East Coast but burns on the West Coast; will be mostly green in shade; vigorous pyramidal habit to about 10' tall by 4'					
wide in 10 years; locate in full to mostly sunny location & organic well-drained moisture retentive soil;					
Japanese native; Zones 5 - 8					
Chamaecyparis obtusa 'Filicoides'		6 - 7'	B&B		+
Fernspray Hinoki Cypress		7 - 8'	B&B		
EVERGREEN ORNAMENTAL CONIFER; flat dark green fish bone-like foliage; open pyramidal habit		8 - 10'	B&B		
with central leader to about 8' tall by 5' wide in 10 years; will be loosely pyramidal without shearing;		10 - 12'	B&B		
hth shearing can be spectacular; locate in full to mostly sunny location & organic well-drained moisture	è				
retentive soil; Japanese native; Zones 5 - 8					
Chamaecyparis obtusa 'Gracilis'	Spring	6 - 7'	B&B		1
Slender Hinoki Cypress					
EVERGREEN ORNAMENTAL CONIFER; bright dark green foliage; bushy upright habit to about 6' tall					
by 2' wide in 10 years; locate in full to mostly sunny location & organic well-drained moisture retentive					
soil; Japanese native; Zones 5 - 8					
Chamaecyparis obtusa 'Gracilis Compacta'					
see: Chamaecyparis obtusa 'Compacta'					
Chamaecyparis obtusa 'Kosteri Fast Form'		6 - 7'	B&B		
Compact Hinoki Cypress		10 - 12' hvy	B&B		1
EVERGREEN ORNAMENTAL CONIFER; medium green horizontal foliage with lighter green or yellow					
highlights with some orange stems; it's a faster more upright habit to about 4' tall by 3' wide in 10 years	,				
similar foliage to C. o. 'Kosteri'; locate in full to mostly sunny location & organic well-drained moisture retentive soil; Japanese native; Zones 5 - 8					
-					
Chamaecyparis obtusa 'Magnifica'		6 - 7'	B&B		
Compact Hinoki Cypress					
EVERGREEN ORNAMENTAL CONIFER; new spring growth has a golden cast which turns medium to					
dark green by summer; moderate bushy to pyramidal upright habit; locate in full to mostly sunny location with organic moisture retentive soil that drains well; native to Japan; Zones 5 - 8					
					_
Chamaecyparis obtusa 'Nana Gracilis'		30 - 36"	B&B		
Dwarf Hinoki Cypress EVERGREEN ORNAMENTAL CONIFER; dark bright green foliage is mostly vertical; irregular broadly	,	36 - 42"	B&B		
upright habit to about 2' tall & wide in 10 years; locate in full to mostly sunny location & organic					
well-drained moisture retentive soil; Japanese native; Zones 5 - 8					
		30 - 36"	B&B		+
Chamaecyparis obtusa 'Split Rock' Blue Hinoki Cypress		30 - 36 36 - 42"	B&B		1
EVERGREEN ORNAMENTAL CONIFER; juvenile foliage is steel-blue & mature foliage is more		42 - 48"	B&B		1
blue-green; broadly upright compact habit to about 4' tall by 3' wide in 10 years; locate in full to mostly		4 - 5'	B&B		
sunny location & organic well-drained moisture retentive soil; Japanese native; Zones 5 - 8		5 - 6'	B&B		_

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
Chamaecyparis obtusa 'Tetragona Aurea'		10 - 12'	B&B		-
Golden Fernspray Hinoki Cypress					
EVERGREEN ORNAMENTAL CONIFER; bright gold fern-like foliage with a 3rd midrib on some					
pranches (unlike 'Fernspray Gold' which are flat); broadly irregular pyramidal habit to about 5' tall by					
3' wide; afternoon shade often prevents or reduces sunburn but too much makes them green; locate in					
full to mostly sunny location & organic well-drained moisture retentive soil; Japanese native (Barron					
N) Zones 5 - 8					
Chamaecyparis obtusa 'Torulosa'		36 - 42"	B&B		- N
Twisted Hinoki Cypress					
EVERGREEN ORNAMENTAL CONIFER; spreading mound; orange bark on new stems; narrow					
twisting foliage with variable amounts of cocks-combs; locate in full to mostly sunny location with					
organic moisture retentive soil that drains well; native to Japan; Zones 5 - 8					
Chamaecyparis obtusa 'Well's Special'		6 - 7'	B&B		
Hinoki Cypress		7 - 8'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; dark green foliage; vigorous upright pyramidal habit with		8 - 10'	B&B		-
unique horizontal branching to about 8' tall by 5' wide in 10 years; can be quite open without pruning;					
locate in full to mostly sunny location & organic well-drained moisture retentive soil; Japanese native					
(Wells N) Zones 5 - 8					
Chamaecyparis pisifera 'Filifera'		42 - 48"	B&B		- N
Green Thread Cypress					
EVERGREEN ORNAMENTAL CONIFER; dark green pendulous thread-like foliage; broadly pyramidal					
arching to weeping habit to about 5' tall & wide in 10 years; locate in full to mostly sunny location &					
organic well-drained moisture retentive soil; Japanese native; Zones 5 - 8					
Chamaecyparis pisifera 'Golden Mop'		15 - 18" spr	7g		- N
Bright Gold Threadleaf Cypress					
EVERGREEN ORNAMENTAL CONIFER; bright gold thread-like foliage that gets a darker gold in					
winter; can take some shade but will be less gold; compact broadly mounding habit to about 2' tall &					
slightly wider in 10 years; locate in full to mostly sunny location & organic well-drained moisture					
retentive soil; Japanese native; Zones 5 - 8					
Chamaecyparis thyoides		6 - 7'	B&B		
Atlantic White Cedar		7 - 8'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; green to blue-green spring & summer foliage turns variable		10 - 12'	B&B		-
purplish in winter; bluish fruit in fall; variable upright habit to about 40' tall by 15' wide in time; locate					
in full sun & moisture retentive to wet soils that are neutral to acidic; tolerates flooded soils; native to					
eastern coastal US; Zones 4 - 8 (9)					
Chamaecyparis thyoides glauca		6 - 7'	B&B		
Blue Atlantic White Cedar		7 - 8'	B&B		N
EVERGREEN ORNAMENTAL CONIFER; lacey light blue somewhat pendulous foliage; upright		8 - 10'	B&B		N
somewhat pendulous form; locate in full sun & moisture retentive to wet soils that are neutral to acidic;					
tolerates flooded soils; native to eastern coastal US; Zones 4 - 8 (9)					
Chionanthus virginicus		5 - 6'	B&B		
BUSH	I				
White Fringetree	_				
DECIDUOUS ORNAMENTAL TREE; fragrant creamy white fringe-like flowers in May; shrubby uprigh	t				
habit to about 20' tall & wide; dark green summer foliage turns yellowish in fall; locate in full sun to					
partial shade & any well drained soil; native to eastern US; Zones 4 - 9					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Chionanthus virginicus		1.75 - 2"c	B&B	
TREE FORM	l			
Vhite Fringetree				
DECIDUOUS ORNAMENTAL TREE; fragrant creamy white fringe-like flowers in May; shrubby uprigh	t			
abit to about 20' tall & wide; these plants are trained with a single trunk to about 3' or more; dark				
green summer foliage turns yellowish in fall; locate in full sun to partial shade & any well drained soil;				
native to eastern US; Zones 4 - 9				
Cladrastis kentukea		2 - 2.5"c	B&B	
American Yellowwood				
DECIDUOUS SHADE TREE; upright habit to 50' or more with a broader spread when mature; fragram				
white panicles in late May that bloom heaviest on alternate years; bright yellowish-green summer				
foliage turns golden in fall; locate in full sun & well-drained soil of any pH; PHS Gold Metal; US native				
formerly C. lutea) Zones (3) 4 - 8				
Clothro chifolio II lumminghird!		10 04"	Fa	
Clethra alnifolia 'Hummingbird'		18 - 24"	5g	
Compact Summersweet DECIDUOUS FLOWERING SHRUB; fragrant white flowers in July; compact upright form; locate in ful	,			
sun to partial shade; likes moist to wet acidic soils & coastal conditions; PHS Gold Metal; eastern US	/			
nar to partial shade, tikes moist to wet actuic sons & coastar conditions, if it's cold metal, eastern os				
Clethra alnifolia 'Ruby Spice'		24 - 30"	5g	
Pink Summersweet				
DECIDUOUS FLOWERING SHRUB; fragrant non-fading pink flower in July; yellow fall foliage; locate				
in full sun to partial shade; likes moist to wet acidic soils & coastal conditions; PHS Gold Metal; eastern				
US native; Zones 4 - 9				
Cornus florida 'Appalachian Snow'		2"c	B&B	
BRANCHED @ 3-4	•			
White Flowering Dogwood				
DECIDUOUS ORNAMENTAL TREE; profuse large overlapping white bracts in May; reddish fruit in lat	e			
summer loved by birds; large medium green foliage turns bright red in fall; layered spreading habit to				
about 25' tall & wide; outstanding resistance to anthracnose; locate in full sun to partial shade with goo	d			
organic well-drained moisture retentive acidic soil; US native; Zones (5) 6 - 9				
Cornus florida 'Appalachian Snow'		6 - 7'	B&B	
LOW BRANCHEE		7 - 8'	B&B	
White Flowering Dogwood				
DECIDUOUS ORNAMENTAL TREE; profuse large overlapping white bracts in May; reddish fruit in lat	e			
summer loved by birds; large medium green foliage turns bright red in fall; layered spreading habit to				
about 25' tall & wide; outstanding resistance to anthracnose; locate in full sun to partial shade with goo	d			
organic well-drained moisture retentive acidic soil; US native; Zones (5) 6 - 9				
Cornus florida Cherokee Braveâ,¢ ('Comco No. 1')		1.75 - 2"c	B&B	
BRANCHED @ 3-4				
Red Flowering Dogwood				
DECIDUOUS ORNAMENTAL TREE; dark pink (light red) bracts in May are almost white in the center;				
red fruit in late summer loved by birds; bright red fall foliage; layered spreading habit to about 25' tall o	2			
vide; more disease resistant; locate in full sun to partial shade with good organic well-drained moisture	ġ			
retentive acidic soil; US native (Nicholson) Zones (5) 6 - 9				
Cornus florida Cherokee Braveâ,¢ ('Comco No. 1')		6 - 7'	B&B	
LOW BRANCHEE		0 - 7 7 - 8'	B&B	
Red Flowering Dogwood		, 0	DQD	
DECIDUOUS ORNAMENTAL TREE; dark pink (light red) bracts in May are almost white in the center;				
red fruit in late summer loved by birds; bright red fall foliage; layered spreading habit to about 25' tall of	2			
wide; more disease resistant; locate in full sun to partial shade with good organic well-drained moisture				
retentive acidic soil; US native (Nicholson) Zones (5) 6 - 9				
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	_
Cornus florida 'Cherokee Chief'		1.75 - 2"c	B&B		- 1
BRANCHED @ 3-4	•				
Red Flowering Dogwood					
DECIDUOUS ORNAMENTAL TREE; dark pink (almost red) bracts; red fruit in late summer loved by					
birds; new foliage opens with a red tinge before turning dark green then bright red in fall; layered					
spreading habit to about 25' tall & wide; locate in full sun to partial shade with good organic					
well-drained moisture retentive acidic soil; US native (Hawkersmith) Zones (5) 6 - 9					
Cornus florida 'Cherokee Chief'		6 - 7'	B&B		- N
LOW BRANCHED)				Ľ
Red Flowering Dogwood					
DECIDUOUS ORNAMENTAL TREE; dark pink (almost red) bracts; red fruit in late summer loved by					
birds; new foliage opens with a red tinge before turning dark green then bright red in fall; layered					
spreading habit to about 25' tall & wide; locate in full sun to partial shade with good organic					
well-drained moisture retentive acidic soil; US native (Hawkersmith) Zones (5) 6 - 9					
Cornus kousa		2"c	B&B		- N
BRANCHED @ 3-4		20	DQD		-
Kousa Dogwood; Japanese Dogwood					
DECIDUOUS ORNAMENTAL TREE; showy creamy-white bracts from late May into June; bright					
pinkish-red edible round fruit from late summer into fall; variable reddish-purple fall foliage; mottled					
gray & tan exfoliating bark; short single trunk; tan & gray exfoliating bark; vase shaped when young					
becomes as high & wide at maturity - about 25'; branching starting at about 2-3'; locate in full sun to					
partial shade & acidic organic well-drained moisture retentive soil; Asian native; Zones 4 - 8					
		0 7	DAD		-
Cornus kousa BUSH	,	6 - 7' 7 - 8'	B&B B&B		-
Kousa Dogwood; Japanese Dogwood	1	7 - 0	DQD		-
DECIDUOUS ORNAMENTAL TREE; showy creamy-white bracts from late May into June; bright					
pinkish-red edible round fruit from late summer into fall; variable reddish-purple fall foliage; mottled					
gray & tan exfoliating bark; vase shaped when young becomes as high & wide at maturity - about 25';					
multiple branches from the ground up; locate in full sun to partial shade & acidic organic well-drained					
moisture retentive soil; Asian native; Zones 5 - 8					
Cornus kouse 'Elizabeth Lustgarten'		6 - 7'	B&B		-
Cornus kousa 'Elizabeth Lustgarten'		0 - 7	DQD		- N
Weeping Kousa Dogwood; Weeping Japanese Dogwood DECIDUOUS ORNAMENTAL TREE; profuse upright white bracts in late May; red ball-like fruit in					
summer; broadly weeping habit; height & width will vary with staking but oftern gets about 15' tall &					
wide; locate in full sun to partial shade with good organic well drained soil that's neutral to slightly					
acidic; Asian native; Zones 5 - 8					
					_
Cornus kousa 'Milky Way'		2"c	B&B		-
BRANCHED @ 3-4					
Kousa Dogwood; Japanese Dogwood DECIDUOUS ORNAMENTAL TREE; profuse creamy-white bracts from late May into June; bright					
pinkish-red edible round fruit from late summer into fall; dark green summer foliage turns					
	<u>_</u>				
reddish-orange in fall; mottled gray & tan exfoliating bark; more horizontal & tree-form than the specie te about 2014all by 25 wide, leade in full and to grantial shade with good engaging well drained early that is	5				
to about 20' tall by 25 wide; locate in full sun to partial shade with good organic well drained soil that's neutral to slightly acidic; Asian native; Zones 5 - 8					
					_
Cornus kousa 'Summer Fun'		2"c	B&B		- N
Variegated Kousa Dogwood; Variegated Japanese Dogwood					
DECIDUOUS ORNAMENTAL TREE; showy creamy-white bracts from late May into June; bright					
pinkish-red edible round fruit from late summer into fall; creamy-white variegation surrounding the					
green centered foliage all summer; fall foliage exhibits shades of red & orange with pink margins;					
mottled gray & tan exfoliating bark; upright habit to about 20' tall by 15' wide in 20 years; locate in full					
sun to partial shade & acidic organic well-drained moisture retentive soil; Asian native (Buchholz)					
Zones 5 - 8					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	_
Cornus Scarlet Fire® ('Rutpink')		1.75 - 2"c	B&B		- 1
BRANCHED @ 3-4	•	2 - 2.5"c	B&B		-
Pink Rutgers Hybrid Dogwood					
DECIDUOUS ORNAMENTAL TREE; profuse narrowish dark pink bracts in late May occur at an early					
age; new foliage has purplish tinge which matures to dark green by summer & turns shades of red in fell, 1" and holes of a dible fruit in late summer, well, been shad be also reach about 10 toll by Olivida in 10					
fall; 1" red balls of edible fruit in late summer; well-branched heads reach about 10' tall by 8' wide in 10 years; resistant to anthracnose & borers; locate in full sun to partial shade & good organic acidic					
well-drained moisture retentive soil [C. kousa x C. florida] (Molnar) Zones 5 - 7					
Cornus x Stellar Pink ('Rutgan')		6 - 7'	B&B		- N
LOW BRANCHED		7 - 8'	B&B		- N
Pink Rutgers Hybrid Dogwood; Pink Stellar Dogwood DECIDUOUS ORNAMENTAL TREE; variable light pink to almost white bracts in mid to late May;					
sterile; color intensity varies from year to year; dark green summer foliage turns reddish-purple in fall;					
fairly rapid upright habit to about 12' tall by 8' wide in 10 years; matures to about 25' tall & wide;					
resistant to anthracnose & borers; locate in full sun to partial shade & organic well-drained moisture					
retentive acidic soil [C. kousa x C. florida] (Orton) Zones 5 - 7					
					-
Cornus x Stellar Pink ('Rutgan')		2"c	B&B		- 1
Pink Stellar Dogwood	1				
DECIDUOUS ORNAMENTAL TREE; variable light pink to almost white bracts in mid to late May;					
sterile; color intensity varies from year to year; dark green summer foliage turns reddish-purple in fall;					
fairly rapid upright habit to about 12' tall by 8' wide in 10 years; matures to about 25' tall & wide;					
resistant to anthracnose & borers; locate in full sun to partial shade & organic well-drained moisture					
retentive acidic soil [C. kousa x C. florida] (Orton) Zones 5 - 7					
Corylopsis pauciflora		15 - 18"	7g		+
Buttercup Winterhazel		13 - 10	'y		-
DECIDUOUS FLOWERING SHRUB; lightly fragrant drooping soft yellow flowers are twice the size of					
most & are effective from late March into early May before the foliage; new foliage emerges with a red					
edge before turning green in summer & golden yellow in fall when given some shade; broadly upright					
habit to about 6' tall & wide; locate in light to moderate shade & moist well-drained acidic to neutral					
soils; Japanese native; Zones 6 - 8					
Corylus avellana 'Raritan'		3 - 4'	10g		- N
Hazelnut; Filbert		0	log		- r
DECIDUOUS NUT TREE; fairly showy greenish-yellow male flowers; female flowers are inconspicuous					
both bloom in late winter; nuts mature in early fall & usually drop to the ground when ripe; increased					
nut production with pollinator; green summer foliage turns shades of yellow in fall; bushy upright habit					
to about 20' tall by 15' wide; pollen attracts bees; male & female nuts attract many animals; increased					
disease resistance; locate in full to partial sun & rich organic moisture retentive well-drained neutral to					
alkaline soil that doesn't dry out; native to Europe & W. Asia; Zones 5 - 8					
Corylus colurna		4 - 5' stk	2g		+
Turkish Filbert		3 - 3.5"c	B&B		
ORNAMENTAL TREE; small statured columnar habit to 40' tall by 15' wide; good for urban situations;		3.5 - 4"c	B&B		- N
drought tolerant once established; locate in full sun & any well-drained organic soil; native to southeast					
Europe & western Asia; Zones 4 - 7					
Corylus x The Beastâ,¢ ('OSU-541.147')		4 - 5'	10g		- N
Hybrid Hazelnut; Hybrid Filbert			.59		-
DECIDUOUS NUT TREE; male & female flowers; nuts prized by people & wildlife; Grand Traverse or					
other variety is needed for nut production; bushy habit to about 20' tall by 15' wide with some trimming.					
highly resistant to Eastern Filbert Blight; locate in full sun & rich organic moisture retentive soil with					
adequate drainage; European / American hybrid [C. avellana x C. americana] (OR St U) Zones (4) 5 -					
8					
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N denotes new plants and/or sizes for Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	ĺ
Cotinus coggygria 'Royal Purple'		24 - 30"	10g		N
Purple Smoketree					
DECIDUOUS FLOWERING SHRUB; from insignificant small yellowish flowers on new wood come					
nasses of puffy purplish-pink hairs in early summer giving a smoky appearance; purple spring &					
ummer foliage lightens to reddish-purple in fall; broadly upright to 12' by 12'; locate in full to mostly					
unny locations & virtually any soil with good to moderate drainage; drought resistant; native to					
southern Europe & Asia; Zones (4) 5 - 8					
Crataegus viridis 'Winter King'		2"c	B&B		_
Green Hawthorn					
DECIDUOUS ORNAMENTAL TREE; profuse white flowers in May; persistent red fruit from early fall					
through early winter; prominent thorns; smooth light gray bark; glossy dark green summer foliage					
turns scarlet in fall; spreading to rounded heads to about 20' tall by 25' wide in time; locate in full sun &					
any well drained soil; PHS Gold Metal; US native (Simpson N) Zones 4 - 7					
Cryptomeria japonica 'Black Dragon'		4 - 5'	B&B		N
Dwarf Japanese Cedar		8 - 10'	B&B		N
EVERGREEN ORNAMENTAL CONIFER; light green new growth matures to a very dark green; slow					
upright to irregular pyramidal habit to about 5' tall by 2-3' wide in 10 years; protect from winter winds					
in northern range; deer browse resistant; locate in full sun to partial shade & moisture retentive					
well-drained acidic soil; native to China & Japan (Iseli) Zones (5) 6 - 8					
Cryptomeria japonica 'Radicans'	Spring	7 - 8'	B&B		
Pyramidal Japanese Cedar	-p9		200		-
EVERGREEN ORNAMENTAL CONIFER; darker green to more gray-green foliage than 'Yoshino';					
pyramidal habit to about 15' tall by 5' wide in 10 years; good for screening or specimen use; protect fron	,				
winter winds in northern range; deer browse resistant; locate in full sun to partial shade & moisture					
retentive well-drained acidic soil; native to China & Japan; Zones (5) 6 - 8					
		40,40	DAD		
Cryptomeria japonica 'Sekkan' / 'Sekkan sugi'		10 - 12'	B&B		N
Golden Japanese Cedar EVERGREEN ORNAMENTAL CONIFER; bright golden spring foliage that's retained through summer;					
olumnar to narrowly pyramidal habit to about 15' tall by 4' wide in 10 years; protect from winter winds					
in northern range; deer browse resistant; locate in full sun to partial shade & moisture retentive					
well-drained acidic soil; native to China & Japan (Hillside N) Zones (5) 6 - 8					
Cryptomeria japonica 'Yoshino'	Spring	7 - 8'	B&B		N
Pyramidal Japanese Cedar	Spring	8 - 10'	B&B		N
EVERGREEN ORNAMENTAL CONIFER; bright green spring & summer foliage can bronze a little in					
winter; rapid pyramid habit to about 15' tall by 5' wide in 10 years; lighter green foliage than					
'Radicans'; good for screening or specimen use; protect from winter winds in northern range; deer					
browse resistant; locate in full sun to partial shade & moisture retentive well-drained acidic soil; PHS Gold Metal; native to China & Japan; Zones (5) 6 - 8					
Cupressocyparis leylandii see: Cupressus leylandii					-
, , , , , , , , , , , , , , , , , , ,		7 0			-
Cupressus leylandii Emerald Isle ('Moncal')		7 - 8'	B&B		-
Compact Leyland Cypress		8 - 10'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; bright dark green foliage all year; compact pyramidal habit to)	10 - 12'	B&B		-
about 30' tall by 10' wide in 15 years; exposed locations in winter subject to wind-burn in northern	4	12 - 14'	B&B		
range; tolerant of saline soils & urban conditions; locate in full sun or minimal shade & any well-drained	1	14 - 16'	B&B		N
soil; native US cross; Genus recently changed to Cupressus [Cupressus macrocarpa x Cupressus		18 - 20'	B&B		N
nootkatensis] (Monrovia) Zones 5 - 9					
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N denotes new plants and/or sizes for Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
Deutzia gracilis 'Nikko'		12 - 15" spr	5g		-
Dwarf Deutzia					
DECIDUOUS FLOWERING SHRUB; profuse lightly fragrant bell-shaped white flowers in May for up to					
e weeks; low spreading habit to about 2' tall by 4' wide; blue-green summer foliage turns dark red in					
all; locate in full sun to light shade & any moisture retentive well-drained soil; Japanese native; PHS Gold Metal; Zones 4 - 8					
		40.45"			+
Deutzia x rosea 'Nikko Blush' Pink Hybrid Deutzia		12 - 15"	5g		-
DECIDUOUS FLOWERING SHRUB; pink buds open to medium pink flowers with lighter edges in					
nid-May; narrow medium green summer foliage turns burgundy in fall; spreading mound to 3' tall by					
I'+ wide in 5 years; locate in full sun to light shade & any moist well-drained soil [D. gracilis 'Nikko' x D					
rosea 'Carminea'] (Dix / USNA) Zones (5) 6 - 7					
Diospyros virginiana		4 - 5'	2g		-
Persimmon					
DECIDUOUS FRUIT TREE; fragrant white to greenish-yellow male & female flowers on the same plants					
n late spring; persistent orange to reddish-purple fruit in fall; glossy green summer foliage turns					
rellowish in fall; upright grower to about 50' tall by 30' wide - although varies widely with location; ocate in full sun or partial sunny locations & most soil types with reasonable drainage; eastern US					
native; Zones 4 - 9					
Eucommia ulmoides		2 - 2.5"c	B&B		+
Hardy Rubber Tree		2.5 - 3"c	B&B		_
DECIDUOUS SHADE TREE; broadly upright habit to 50' tall & wide; very tolerant of a wide range of		3 - 3.5"c	B&B		_
oils; very limited pest problems, although stem die-back has been noticed in some locations; locate in		3.5 - 4"c	B&B		_
ull sun & any soil that drains; quite drought tolerant; native to China; Zones (4) 5 - 7		4 - 4.5"c	B&B		-
		4.5 - 5"c	B&B		-
Fagus grandifolia		2 - 2.5"c	B&B		-
American Beech					
DECIDUOUS SHADE TREE; dark green summer foliage turns golden bronze in fall and can stay on the					
tree through the winter; smooth silver-gray bark contrasts beautifully with the tan foliage all winter;					
edible nuts are an important wildlife food; large wide-spreading tree to about 70' tall & wide (if given					
space); climax forest tree; not tolerant of urban conditions or compacted soils; locate in sun or shade					
vith well-drained organic slightly acidic soils; US native; Zones 4 - 9					_
Fagus grandifolia		2 - 2.5"c 2.5 - 3"c	B&B		-
American Beech		2.5 - 3 C 4.5 - 5"c	B&B B&B		_
DECIDUOUS SHADE TREE; dark green summer foliage turns golden bronze in fall and can stay on the		4.5 - 5 0	DQD		-
ree through the winter; smooth silver-gray bark contrasts beautifully with the tan foliage all winter;					
edible nuts are an important wildlife food; large wide-spreading tree to about 70' tall & wide (if given					
pace); climax forest tree; not tolerant of urban conditions or compacted soils; locate in sun or shade					
vith well-drained organic slightly acidic soils; US native; Zones 4 - 9					
Fagus sylvatica		2 - 2.5"c	B&B		-
LOW BRANCHED HEDGE		2.5 - 3"c	B&B		-
European Beech DECIDUOUS SHADE TREE; dark glossy green foliage turns reddish-bronze in fall and is usually		3 - 3.5"c	B&B		-
retained for much of the winter; smooth medium gray bark; large broadly pyramidal tree to about 60'		3.5 - 4"c 4 - 4.5"c	B&B B&B		-
all by 45' wide at maturity; branching starts at or very near the ground; surface rooted; not tolerant of		4-4.00	DØD		-
irban conditions or compacted soils; locate in sun or shade with well-drained organic soils; European					
native; Zones (4) 5 - 7					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNT	Y
Fagus sylvatica 'Dawyck Purple'		6 - 7'	B&B		_
artigiate Purple European Beech		7 - 8'	B&B		_
DECIDUOUS ORNAMENTAL TREE; purple spring & summer foliage turns coppery-tan in fall; smooth		8 - 10'	B&B		-
nedium gray bark; very narrow profile to about 60' tall by 15' wide at maturity; branching starts at or		5 - 6"c	B&B		_
very near the ground; surface rooted; not tolerant of urban conditions or compacted soils; locate in sun					
or shade with well-drained organic soils; selected seedling from Trompenburg Arboretum; European					
native (van Hoey Smith) Zones 4 - 7					
Fagus sylvatica 'Pendula'		2 - 2.5"c	B&B		_
Weeping European Beech		2.5 - 3"c	B&B		_
DECIDUOUS ORNAMENTAL TREE; bright green summer foliage turns coppery in fall; rapid broadly		3 - 3.5"c	B&B		_
upright habit that makes unique interesting irregular pyramids to about 50' tall & usually wider at the		3.5 - 4"c	B&B		_
base; no two are alike; smooth medium gray bark; branching starts at or near the ground; surface		4 - 4.5"c	B&B		_
rooted; not tolerant of urban conditions or compacted soils; locate in sun or shade with well-drained		4.5 - 5"c	B&B		_
organic soils; European native; Zones 4 - 7					
Fagus sylvatica 'Purple Fountain'		2 - 2.5"c	B&B		_
Purple Weeping European Beech		2.5 - 3"c	B&B		_
DECIDUOUS ORNAMENTAL TREE; dark purple spring foliage looses intensity in summer; upright					
pyramidal habit that usually has a dominant single leader; some narrowly irregular pyramids & others					
broader at the base; smooth medium gray bark; large broadly pyramidal tree to about 60' tall by 45'					
wide at maturity; branching starts at or very near the ground; surface rooted; not tolerant of urban					
conditions or compacted soils; locate in sun or shade with well-drained organic soils; European native					
(Grootendorst) Zones 4 - 7					
Fagus sylvatica 'Purpurea Pendula'		4 - 4.5"c	B&B		_
Weeping Purple European Beech		4.5 - 5"c	B&B		_
DECIDUOUS ORNAMENTAL TREE; purple foliage all summer; compact wide-spreading habit to about		6 - 7"c	B&B		_
10' or more tall & usually quite a bit wider; smooth medium gray bark; branching starts at or very near					
the ground; surface rooted; not tolerant of urban conditions or compacted soils; locate in sun or shade					
with well-drained organic soils; European native; Zones 4 - 7					
Fagus sylvatica 'Riversii'		2 - 2.5"c	B&B		_
Purple European Beech					
DECIDUOUS ORNAMENTAL TREE; dark purple spring foliage turns greenish-purple by mid summer;					
upright somewhat open habit when young matures to about 50' tall by 40' wide when mature; smooth					
medium gray bark; branching starts at or very near the ground; surface rooted; not tolerant of urban					
conditions or compacted soils; locate in sun or shade with well-drained organic soils; European native;					
Zones 4 - 7					
Fothergilla major 'Mount Airy'		18 - 21"	5g		_
Large Fothergilla					
DECIDUOUS FLOWERING SHRUB; large fragrant white flower in May; orange-red fall foliage; locate					
in full sun to 1/2 shade & well-drained acidic soil; US native; Zones (4) 5 - 7					
Franklinia altamaha		7 - 8'	B&B		_
BUSH	1				
Franklin Tree; Franklinia					
DECIDUOUS ORNAMENTAL TREE; bushy upright habit to 20'; fragrant 3" diameter white flowers					
with prominent golden stamens from late July into August; glossy dark green summer foliage turns					
mostly shades of bright red and orange in the late fall; somewhat sparse root system make					
transplanting tricky; locate in moist, acidic, well-drained soil and full sun or light shade; Zones 5 - 8					

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	Ī
Ginkgo biloba 'Magyar' Columnar Ginkgo; Columnar Maidenhair Tree DECIDUOUS CONIFER; male clone; narrow pyramidal habit to 50' and half as wide; bright yellow fall foliage; highly resistant to pests & diseases; locate in full sun & any soil that drains; very tolerant of urban & coastal conditions; Chinese native; Zones 4 - 8 (9)		2 - 2.5"c	B&B		
Gleditsia triacanthos f. inermis Skyline ('Skycole') Thornless Honeylocust DECIDUOUS SHADE TREE; small dark green compound summer foliage turns bright golden in fall; provides light dappled shade; virtually seedless; upright pyramidal habit to about 20' tall by 15' wide in 10 years; very tolerant of urban conditions including soil compaction & salt; locate in full sun & moisture retentive neutral to alkaline soils; US native (Cole Ns) Zones 4 - 8 (9)	2	2 - 2.5"c 2.5 - 3"c	B&B B&B		-
Gymnocladus dioicus Decaf® ('McKBranched') Male Kentucky Coffeetree DECIDUOUS SHADE TREE; insignificant greenish-white flower; male cultivar; seedless; new large doubly compound foliage emerges with a caramel color for a brief time before turning blue-green in summer then non-descript yellow in fall; upright arching habit is more twiggy yielding fuller heads to about 50' tall by 40' wide; open structure in winter but more uniform than the species; tolerates high pH drought & urban conditions; locate in full sun & moist organic soil; US native; Zones 4 - 8	,	2 - 2.5"c 2.5 - 3"c	B&B B&B		- - N
Gymnocladus dioicus Espressoâ,,¢ ('Espresso-JFS') Male Kentucky Coffeetree DECIDUOUS SHADE TREE; seedless; large doubly compound blue-green summer foliage turns yellow in fall; upright arching habit to about 50' tall by 35' wide; dramatic open structure in winter with each tree looking different; tolerates high pH, drought & urban conditions; locate in full sun & moist organic soil; US native (Schmidt) Zones 4 - 8		2 - 2.5"c 2.5 - 3"c	B&B B&B		- N
Hamamelis x intermedia 'Angelly' Yellow Hybrid Witchhazel DECIDUOUS FLOWERING SHRUB; lightly fragrant soft yellow flowers in late February and March; yellow fall foliage; vigorous upright habit that spreads when mature at about 15' or so; tolerant of deer browse, clay soils & urban situations; locate in full sun to light shade & rich organic well-drained neutra to acidic soil; Asian cross [H. japonica x H. mollis] Zones 5 - 8	I	4 - 5'	B&B		- N
Hamamelis x intermedia 'Diane' Red Hybrid Witchhazel DECIDUOUS FLOWERING SHRUB; mildly fragrant dark red flowers in late February & early March; fall foliage can be a mix of yellow, orange & red; broad spreading habit to about 10' tall by 12' wide; tolerant of deer browse, clay soils & urban situations; locate in full sun to light shade & rich organic well-drained neutral to acidic soil; PHS Gold Metal; Asian cross [H. japonica x H. mollis] Zones 5 - 8		4 - 5'	B&B		- N
Hamamelis x intermedia 'Primavera' Yellow Intermediate Witchhazel DECIDUOUS FLOWERING SHRUB; very floriferous fragrant soft yellow flowers from late January into February; bright green summer foliage turns shades of yellow & orange in fall; broadly upright habit to about 12' tall & wide; tolerant of deer browse, clay soils & urban situations; locate in full sun to light shade & rich organic well-drained neutral to acidic soil; Asian cross [H. japonica x H. mollis] Zones 5 - 8		4 - 5'	B&B		- N
Hamamelis virginiana 'Harvest Moon' Common Witchhazel DECIDUOUS FLOWERING SHRUB; very fragrant profuse strap-like lemon-yellow flowers in late fall after most of the leaves have dropped; new foliage opens coppery before maturing to dark green; upright spreading habit to 20' or more; fall foliage turns shades of yellow before turning brown; some foliage may remain through winter but less than the species; tolerant of deer browse, salt & clay soils; locate in full sun to partial shade & moist well-drained neutral to acidic soil; US native (Jaynes) Zones (3) 4 - 8		4 - 5' 6 - 7' 7 - 8' 8 - 10'	8&B 8&B 8&B 8&B		- N - - N
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3OTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Hydrangea paniculata 'Limelight' TREE FORM		2"c / 6-7'	B&B	
ate Panicle Hydrangea DECIDUOUS FLOWERING SHRUB; bright greenish-white flowers in late summer on new wood; dark reen summer foliage; spreading habit to about 8' tall & wide at maturity; branching starts at about -4' above the ground from a single trunk; locate in full sun to partial or afternoon shade (especially in puthern range); soil needs to be well-drained, but with good moisture retention; PHS Gold Metal; Asian ative (PW) Zones 4 - 9				
lydrangea paniculata 'Phantom'		5 - 6'	B&B	
BUSH ate Panicle Hydrangea ECIDUOUS FLOWERING SHRUB; huge white ball-like panicle clusters on stiff branches in late ummer on new wood; dark green foliage; spreading habit to about 10' tall & wide at maturity; locate in III sun to partial or afternoon shade (especially in southern range); soil needs to be well-drained, but vith good moisture retention; Asian native; Zones 4 - 9				
Hydrangea quercifolia 'Pee Wee' Warf Oakleaf Hydrangea IECIDUOUS FLOWERING SHRUB; large white pyramidal blooms in June & July on old wood; urgundy-red fall foliage; tan exfoliating bark; compact spreading habit to 4' tall by 6' wide even in full hade; locate in partial or filtered shade with rich organic well-drained moisture retentive soil; US ative; Zones 5 - 9		18 - 24"	10g	
Hydrangea quercifolia Snow Queen® ('Flemygea') wakleaf Hydrangea ECIDUOUS FLOWERING SHRUB; masses of 6" to 8" fragrant white pyramidal flowers in late June in old wood turn pinkish by late summer; dark green summer foliage turns burgundy to scarlet in fall; an exfoliating bark; broadly upright habit to about 5' tall & wide; locate in partial or filtered shade with ich organic well-drained moisture retentive soil; US native; PHS Gold Metal (Flemer) Zones 5 - 9	'n	24 - 30"	10g	
l ex x altaclerensis 'James G. Esson' Itaclera Holly ROADLEAF EVERGREEN TREE; small inconspicuous flowers in spring; bright red fruit from early to hid-fall; glossy spiny dark green foliage on purple stems resists deer browse; locate in full sun to partia hade & well-drained acidic organic soil; Zones (6) 7 - 8		5 - 6' 6 - 7'	B&B B&B	
lex x aquipernyi Dragon Lady ('Meschick') yramidal Holly VERGREEN TREE; narrow green pyramid with spiny dark green foliage that resists deer browse; omewhat self-fruitful; locate in full sun to partial shade & neutral to acidic well-drained organic soil; ones 6 - 9		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	
lex 'Centennial Girl' lybrid Pyramidal Holly VERGREEN TREE; persistent red fruit from fall through winter when near male pollinator (I. quifolium or I. meserveae work); narrow upright pyramid to about 15' tall by 8' wide; mite resistant; ark glossy green foliage with spiny edges; locate in full sun to partial shade & neutral to acidic rell-drained organic soil [I. centrochinensis x I. aquifolium] (C-P) Zones (5) 6 - 9		5 - 6'	B&B	
lex x 'Coronet' Yramidal Hybrid Holly VERGREEN TREE; compact columnar habit to 10'; red fruit without a pollinator; narrow spiny dark reen foliage with excellent retention in winter; locate in full sun to partial shade & neutral to acidic rell-drained organic soil (USNA) Zones (6) 7 - 9		4 - 5' 5 - 6' 6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B B&B B&B	

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	-
lex crenata 'Schwoebel Upright' Jpright Japanese Holly BROADLEAF EVERGREEN SHRUB; small inconspicuous male or female flowers in late spring; black iruit on female plants; glossy flat green leaf all year; narrowly pyramidal habit to about 8' tall by 4' vide; locate in full sun to partial shade & neutral to acidic well-drained organic soil; Asian native 'Convesa' x 'Microphylla'] Zones (5) 6 - 7 (8)		4 - 5' 5 - 6'	B&B B&B		- N - N
I lex x meserveae Blue Girl Female Blue Holly; Female Meserve Holly EVERGREEN SHRUB; dark blue-green foliage; red fruit; hardiest female in Kansas tests; broadly upright; locate in full sun to partial shade & neutral to acidic well-drained organic soil; Zones 5 - 9		42 - 48" 4 - 5' 5 - 6'	B&B B&B B&B		-
Ilex x meserveae Blue Maid ('Mesid') Jpright Female Blue Holly; Upright Female Meserve Holly EVERGREEN SHRUB; dark blue-green foliage; upright columnar habit to 15'; red fruit; excellent hedge for specimen plant; sheared for hedging; locate in full sun to partial shade & neutral to acidic well-drained organic soil; PHS Gold Metal; Zones 5 - 8		42 - 48" 4 - 5' 5 - 6'	B&B B&B B&B		-
Ilex x 'Nellie R. Stevens' Pyramidal Hybrid Holly EVERGREEN TREE; broadly pyramidal with glossy dark green foliage; red fruit; somewhat self-fruitful; locate in full sun to partial shade & neutral to acidic well-drained organic soil [I. aquifolium x I. cornuta] Zones 6 - 9		6 - 7' 7 - 8' 10 - 12'	B&B B&B B&B		-
lex opaca 'Arlene Leach' American Holly EVERGREEN TREE; spiny deer browse & disease resistant green foliage; compact pyramidal habit; persistent orange-red fruit; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; Zones (6) 7 - 9		6 - 7'	B&B		-
Ilex opaca 'Dan Fenton' American Holly BROADLEAF EVERGREEN TREE; lightly fragrant white flowers in May; bright red fruit clusters appear in October & persist into or through winter; dark spiny glossy green foliage; broadly pyramidal habit to about 25' tall by 15' wide; bright red fruit; tolerates deer browse as well as urban & coastal conditions; protect from windy sites in northern range; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; PHS Gold Metal (Orton) Zones (5) 6 - 9		6 - 7' 7 - 8'	B&B B&B		-
Iex opaca 'Dan Fenton' B-GRADE Amercian Holly BROADLEAF EVERGREEN TREE; lightly fragrant white flowers in May; bright red fruit clusters appear in October & persist into or through winter; dark spiny glossy green foliage; broadly pyramidal habit to about 25' tall by 15' wide; bright red fruit; tolerates deer browse as well as urban & coastal conditions; protect from windy sites in northern range; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; PHS Gold Metal (Orton) Zones (5) 6 - 9		6 - 7' 7 - 8' 8 - 10' 10 - 12' 12 - 14'	8&8 8&8 8&8 8&8 8&8		- N - N - N - N
Ilex opaca 'Hedge Holly' BROADLEAF EVERGREEN TREE; lightly fragrant white flowers in May; bright red fruit clusters appear in October & persist into or through winter; small dark olive-green foliage that's much smaller than average; broad bushy pyramidal habit to about 20' tall by 10' wide; tolerates deer browse as well as urban & coastal conditions; protect from windy sites in northern range; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; Zones (5) 6 - 9		8 - 10' 10 - 12'	B&B B&B		- N - N
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
lex opaca 'Jersey Princess' American Holly EVERGREEN TREE; very dark, glossy, spiny green foliage; profuse bright red fruit; deer browse		6 - 7' 7 - 8'	B&B B&B		-
esistant; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern IS native (Orton) Zones (5) 6 - 9					
lex opaca ~ male		5 - 6'	B&B		_
American Holly		6 - 7'	B&B		-
EVERGREEN TREE; medium to dark spiny green foliage that's resistant to deer browse; slow to		8 - 10'	B&B		-
noderate grower; pollinator for all female American Hollies; locate in full sun to partial shade & neutra o acidic well-drained organic soil; rooted cutting of unnamed male; northeastern US native; Zones 5 - 9					
lex opaca 'Old Heavy Berry'		6 - 7'	B&B		-
American Holly		7 - 8'	B&B		-
EVERGREEN TREE; dark, spiny green foliage; large, profuse, bright red fruit; deer browse resistant; vigorous grower; considered one of the best cultivars; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; Zones (5) 6 - 9		8 - 10'	B&B		- 1
llex opaca 'Portia Orton'		6 - 7'	B&B		_
American Holly		7 - 8'	B&B		-
EVERGREEN TREE; excellent green foliage; bright red fruit; introduced by E. Orton of Rutgers U. and named for his wife; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; Zones (5) 6 - 9		8 - 10'	B&B		- 1
llex opaca 'Saytr Hill'		6 - 7'	B&B		-
American Holly					
VERGREEN TREE; dark olive-green foliage; bright red fruit from fall into winter; deer browse					
resistant; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern JS native; Zones (5) 6 - 9					
lex opaca var. xanthocarpa		6 - 7'	B&B		-
Golden American Holly		7 - 8'	B&B		-
EVERGREEN TREE; medium green spiny green foliage; yellow fruit; locate in full sun to partial shade & neutral to acidic well-drained organic soil; northeastern US native; Zones (5) 6 - 9		8 - 10'	B&B		- 1
lex pedunculosa ~ female		5 - 6'	B&B		- 1
		6 - 7'	B&B		-
EVERGREEN SHRUB; medium green foliage; bright red rounded drupe in October; upright bushy habit to 15' or more; broadens with age; not heat tolerant; deer browse resistant; locate in full sun to partial shade & neutral to acidic well-drained organic soil; Asian native; Zones 5 - 6 (7)					
lex x Red Beauty ('Rutzan')		4 - 5'	B&B		_
Compact Pyramidal Hybrid Holly					
EVERGREEN SHRUB; compact pyramidal habit; the original plant was 7' tall by 4' wide at the base in					
O years; small to medium spiny dark green foliage doesn't lighten from winter weather or fruit production; abundant bright red fruit lasts into winter when eaten by birds; resists deer browse; locate					
n full sun to partial shade & well-drained acidic organic moisture retentive soil [I. x meserveae x I.					
pernyi] (Rutgers - Orton) Zones 6 - 10					
lex verticillata 'Red Sprite'		30 - 36"	15g		-
Dwarf Female Winterberry Holly DECIDUOUS ORNAMENTAL SHRUB; inconspicuous small white flowers in profusion in early summer					
on new wood; persistent profuse bright red fruit from early fall into or through winter; use 'Jim Dandy'					
A 'Apollo' to pollinate; compact bushy habit to about 4' high & wide; locate in full sun to partial shade &					
neutral to acidic moisture retentive soil; native to areas with persistently moist to wet soils; native to US & Canada; Zones 3 - 9					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
lex x Winter Bounty ('H635-13')		5 - 6'	B&B	<u> </u>
Hybrid Upright Holly		6 - 7'	B&B	
VERGREEN SHRUB; insignificant flowers lead to masses of bright red berries in late fall with a male		7 - 8'	B&B	
ollinator nearby (I. meserveae will pollinate); long smooth dark glossy green foliage; upright habit to		8 - 10'	B&B	
4' tall by 6' wide; reported deer browse resistance; locate in full sun or partial shade & most neutral to				
acidic well-drained soils [I. ciliospinosa & I. latifolia] (Orton / Manor View) Zones 6 - 8				
uniperus chinensis 'Blue Point'		6 - 7'	B&B	
Blue Pyramidal Chinese Juniper				
EVERGREEN ORNAMENTAL CONIFER; usually separate male & female flowers; female cones usually				
ight blue & male cones tannish; gray-blue scale-like needles; compact pyramidal habit to about 5' tall by	/			
3' wide in 10 years; locate in full sun & most well-drained soils; drought tolerant when established;				
Asian native (Monrovia) Zones 4 - 9				
luniperus chinensis 'Hetzi Columnaris' / 'Fairview'		7 - 8'	B&B	
Pyramidal Chinese Juniper		8 - 10'	B&B	
EVERGREEN ORNAMENTAL CONIFER; narrow pyramidal habit to 25'; somewhat loose branching;				
prominent light blue fruit; mature green and bluish juvenile foliage; locate in full sun & most				
vell-drained soils; drought tolerant when established; Asian native; Zones 5 - 9				
luniperus chinensis 'Iowa'		6 - 7'	B&B	
Fastigiate Chinese Juniper				
EVERGREEN ORNAMENTAL CONIFER; fairly slow growing columnar evergreen with gray-green				
needles; matures about 15' tall by 10' wide; showy silvery-blue fruit in fall; locate in full sun & most				
vell-drained soils; drought tolerant when established; Asian native; Zones 3 - 9				
luniperus chinensis 'Keteleeri'		7 - 8'	B&B	
Pyramidal Chinese Juniper		8 - 10'	B&B	
EVERGREEN ORNAMENTAL CONIFER; broadly pyramidal habit to 15'; medium evergreen scale-like				
foliage; locate in full sun & most well-drained soils; drought tolerant when established; Asian native;				
Zones 4 - 9				
Juniperus chinensis 'Robusta Green'		5 - 6'	B&B	
Jpright Chinese Juniper		6 - 7'	B&B	
EVERGREEN ORNAMENTAL CONIFER; irregular upright habit to 15' or more tall with blue-green				
foliage; with varies with shearing; salt tolerant; locate in full sun & most well-drained soils; drought				
olerant when established; Asian native; Zones 5 - 9				
Juniperus chinensis 'Torulosa' / 'Kaizuka'		5 - 6'	B&B	
Hollywood Juniper				
EVERGREEN ORNAMENTAL CONIFER; bright evergreen foliage; irregular upright habit to 30'; heat &	e e			
alt tolerant; locate in full sun & most well-drained soils; drought tolerant when established; Asian				
native; Zones (5) 6 - 9				
luniperus virginiana		6 - 7'	B&B	
Eastern Red Cedar		7 - 8'	B&B	
EVERGREEN CONIFER; variably columnar to pyramid habit reaching about 40' tall by 15-25' wide;		8 - 10'	B&B	
medium green summer foliage bronzes in winter; tolerant of drought, air polution, sterile soil & Black				
Nalnut; locate in full sun & well-drained soil of any pH; native to eastern North & Central America;				
Zones (3) 4 - 9				
luniperus virginiana 'Hillspire'		6 - 7'	B&B	
Eastern Red Cedar		7 - 8'	B&B	
EVERGREEN ORNAMENTAL CONIFER; conical pyramid with bright green foliage through the winter;				
dark green summer foliage shows almost no bronzing in winter; formerly named 'Cupressifolia';				
olerant of drought, air polution, sterile soil & Black Walnut; locate in full sun & well-drained soil of any				
oH; native to eastern North & Central America (D. Hill N) Zones (3) 4 - 9				
				5) 321-4

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Koelreuteria paniculata Golden Raintree DECIDUOUS ORNAMENTAL TREE: golden yellow flowers in mid July: sparse irregular branching: compound leaves make the trie look full when in leaf, irregular yellow to orange fail foliage: locate in full sun & any well-drained soil that is moisture retentive: tolerates most urban conditions: Zones 4 - 8 Ligustrum ovalifolium California Privet DECIDUOUS FLOWERING SHRUB: very fragrant white flowers in June & early July: glossy semi-evergreen foliage: may be evergreen in southern range: rapid growing bushy shrub to 20' fall & wide. however, can be pruned to almost any size & shape: locate in sun or shade & any soil that doesn't remain wet; fairly tolerant of coastal conditions & salt spray: Japanese native; Zones (4) 5 - 8 Lindera benzoin Spicebush DECIDUOUS FLOWERING SHRUB: small fragrant yellow flower clusters appear in mass before the foliage emerges: fruit appears on formale plants in fall as a bright red 1/2' drupe that's favored by birds: bright green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 15' tall & wide: locate in full sun or shade & organic well-drained moisture retentive acidic soils; native to eastern US along waterways or bottom lands: Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB: small fragrant yellow flower clusters appear in mass before the foliage emerges in mid to late March; truit appears on famale plants in fall as a black 1/2' drupe that's favored by birds: semi-evergreen narrow willow-like blue-green summer foliage turns brilliant shades of red, purple or orange in fall then persits as pinksh-tan through winter: small tree or large shrub to about 10' tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acids: sils: Asian native: Zones 5 - 8 Liquidambar styraciflua Jubilleeâ_k ('Happidaze') Seedless American Sweetgum DECIDUOUS SHADE TREE: distinct pyramidal habit in youth evolves to a more rounde	2 - 2.5"c 3 - 3.5"c 4 - 4.5"c 6 - 7' 7 - 8' 8 - 10' 15 - 18"	B&B B&B B&B B&B B&B B&B B&B		- N
DECIDUOUS ORNAMENTAL TREE: golden yellow flowers in mid July: sparse irregular branching: compound leaves make the tree look full when in leaf: irregular yellow to orange fall foliage: locate in Uil sun & any well-drained soli that is moisture retentive: tolerates most urban conditions: Zones 4 - 8 Ligustrum ovalifolium California Privet DECIDUOUS FLOWERING SHRUB: very fragrant white flowers in June & early July: glossy semi-evergreen foliage: may be evergreen in southern range; rapid growing bushy shrub to 20' tall & wide, however, can be pruned to almost any size & shape; locate in sun or shade & any soli that doesn't remain wei; fairly tolerant of coastal conditions & salt spray; Japanese native; Zones (4) 5 - 8 Lindera benzoin Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges: fruit appears on female plants in fall as a bright red 1/2" drupe that's favored by birds: bright green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 15' tall & wide; locate in full sun or shade & organic well-drained moisture retentive acidic soils; native to eastern US along waterways or bottom lands: Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges in mid to late March; fruit appears on female plants in fall as a black 1/2" drupe that's favored by birds; semi-evergreen narrow willow-like blue-green summer foliage turns brilliant shades of red, purple or orange in fall then persist as pinkish-tan through winter; small tree or large shrub to about 10' tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acidic solls; Asian native; Zones 5 - 8 Liquidambar styraciflua American Sweetgum DECIDUOUS SHADE TREE; rapid growing pyramid when young to 45' tall: seedless cultivar; dark green summer foliage turns maroon in the fall; locate in f	4 - 4.5"c 6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B		. 1
ompound leaves make the tree look full when in leaf; irregular yellow to orange fall foliage: locate in ull sun & any well-drained soil that is moisture retentive; tolerates most urban conditions; Zones 4 - 8 -igustrum ovalifolium Salifornia Privet DECIDUOUS FLOWERING SHRUB; very fragrant while flowers in June & early July; glossy emi-evergreen foliage; may be evergreen in southern range; rapid growing bushy shrub to 201 tall & wide, however, can be pruned to almost any size & shape; locate in sun or shade & any soil that doesn't emain wet; fairly tolerant of coastal conditions & salt spray; Japanese native; Zones (4) 5 - 8 -indera benzoin Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges; fruit appears on female plants in fall as a bright red 1/2" drupe that's favored by birds; oright green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 5 tall & wide; locate in full sun or shade & organic well-drained moisture retentive acidic soils; native o eastern US along waterways or bottom lands; Zones 4 - 9 -indera glauca var. salicifolia Stain Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges in mid to late March; irruit appears on female plants in fall as a black 1/2" drupe that's avored by birds; semi-evergreen narrow willow-like blue-green summer foliage turns brilliant shades fred, purple or orange in fall then persist as pinkish-tan through winter: small tree or large shrub to about 10 tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive ticide to 10 tall by 50' wide; dark glossy green summer foliage turns variable shades of burgundy, red, ellow & deep purple in fall: locate in full sun & moist to partially wet organic soils: native to eastern of S& Mexico; Zones 5 - 9 -inderdambar styraciflua Jubileeâ, \$ ('Happidaze') Seedless American Sweetgum DECIDUOUS SHADE TREE; rapid qarving pyramid when	6 - 7' 7 - 8' 8 - 10'	B&B B&B		15
ull sun & any well-drained soil that is moisture retentive: tolerates most urban conditions; Zones 4 - 8 Ligustrum ovalifolium Dalifornia Privet SECLUDUUS FLOWERING SHRUB; very fragrant while flowers in June & early July; glossy emi-evergreen foliage; may be evergreen in southern range: rapid growing bushy shrub to 20' tall & vide, however, can be pruned to almost any size & shape; locate in sun or shade & any soil that doesn't emain wet; fairly tolerant of coastal conditions & salt spray; Japanese native; Zones (4) 5 - 8	7 - 8' 8 - 10'	B&B		- 1
Ligustrum ovalifolium California Privet DECIDIOUS FLOWERING SHRUB; very fragrant white flowers in June & early July; glossy semi-evergreen foliage; may be evergreen in southern range; rapid growing bushy shrub to 20' tall & wide, however, can be pruned to almost any size & shape: locate in sun or shade & any soil that doesn't emain wet; fairly tolerant of coastal conditions & salt spray; Japanese native; Zones (4) 5 - 8 Lindera benzoin Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the oliage emerges; fruit appears on female plants in fall as a bright red 1/2' drupe that's favored by birds: right green leaves are lighter on the bottom and turr golden yellow in fail: small tree or large shrub to 15' tall & wide; locate in full sun or shade & organic well-drained moisture retentive acidic soils; native o eastern US along waterways or bottom lands; Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the oliage emerges in mid to late March: fruit appears on female plants in fall as a black 1/2' drupe that's davored by birds; semi-evergreen narrow willow-like blue-green summer foliage turns before the oliage emerges in mid to late March: fruit appears on female plants in fall as a black 1/2'' drupe that's davored by birds; semi-evergreen narrow willow-like blue-green summer foliage turns were harly about 10' fall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acidic solis; Asian native; Zones 5 - 8 Liquidambar styraciflua American Sweetgum DECIDUOUS SHADE TREE; distinct pyramidal habit in youth evolves to a more rounded form when mature at 70' tall by 50' wide; adrx glossy green summer foliage turns variable shades of burgundy, red, vellow & deep purple in fall; locate in full sun & moist to partially wet organic soils; native to eastern of JS & Mexico: Zones 5 - 9 Liquidambar styraciflua Jubilleeâ, ¢ ('Happidaze') Seedless Americ	7 - 8' 8 - 10'	B&B		
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remain wet; fairly tolerant of coastal conditions & salt spray; Japanese native; Zones (4) 5 - 8 Lindera benzoin Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the follage emerges; fruit appears on female plants in fall as a bright red 1/2" drupe that's favored by birds; bright green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 15' tall & wide: locate in full sun or shade & organic well-drained moisture retentive acidic soils; native to eastern US along waterways or bottom lands; Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the follage emerges in mid to late March: fruit appears on female plants in fall as a black 1/2" drupe that's favored by birds; semi-evergreen narrow willow-like blue-green summer follage turns brilliant shades fred, purple or orange in fall then persist as pinkish-tan through winter; small tree or large shrub to about 10' tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acidic soils; Asian native; Zones 5 - 8 Liquidambar styraciflua American Sweetgum DECIDUOUS SHADE TREE: distinct pyramidal habit in youth evolves to a more rounded form when mature at 70' tall by 50' wide; dark glossy green summer follage turns variable shades of burgudy, red, wellow & deep purple in fall; locate in full sun & moist to partially wet organic soils; native to eastern of US & Mexico; Zones 5 - 9 Liquidambar styraciflua Jubilleeâ,¢ ('Happidaze') Seedless American Sweetgum DECIDUOUS SHADE TREE; rajid growing pyramid when young to 45' tall; seedless cultivar; dark green summer foliage turns maroon in the fall; locate in full sun & moist to partially wet organic soils; tolerant of compacted urban soils; native to eastern of US & Mexico; Zones (5) 6 - 9 Liriodendron tulipifera Tuliptree; Tulip Poplar DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat	15 - 18"			
Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges; fruit appears on female plants in fall as a bright red 1/2" drupe that's favored by birds; birght green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 15' tall & wide; locate in full sun or shade & organic well-drained moisture retentive acidic soils; native to eastern US along waterways or bottom lands; Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges in mid to late March; fruit appears on female plants in fall as a black 1/2" drupe that's favored by birds; semi-evergreen narrow willow-like blue-green summer foliage turns brilliant shades of red, purple or orange in fall then persist as pinkish-tan through winter; small tree or large shrub to about 10' tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acidic solis; Asian native: Zones 5 - 8 Liquidambar styraciflua American Sweetgum DECIDUOUS SHADE TREE; distinct pyramidal habit in youth evolves to a more rounded form when mature at 70' tall by 50' wide; dark glossy green summer foliage turns variable shades of burgundy, red, yellow & deep purple in fall; locate in full sun & moist to partially wet organic soils; native to eastern of US & Mexico; Zones 5 - 9 Liquidambar styraciflua Jubilleeâ, ¢ ('Happidaze') Seedless American Sweetgum DECIDUOUS SHADE TREE; rapid growing pyramid when young to 45' tall; seedless cultivar; dark green summer foliage turns maroon in the fall; locate in full sun & moist to partially wet organic soils; toterant of compacted urban soils; native to eastern of US & Mexico; Zones (5) 6 - 9 Liriodendron tulipifera DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat weak wooded; light orange-green flowers in early June; green summer foliage turns variable yellow in fa	15 - 18"			
DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foliage emerges: fruit appears on female plants in fall as a bright red 1/2" drupe that's favored by birds; bright green leaves are lighter on the bottom and turn golden yellow in fall; small tree or large shrub to 15' tall & wide: locate in full sun or shade & organic well-drained moisture retentive acidic soils; native to eastern US along waterways or bottom lands; Zones 4 - 9 Lindera glauca var. salicifolia Asian Spicebush DECIDUOUS FLOWERING SHRUB; small fragrant yellow flower clusters appear in mass before the foilage emerges in mid to late March; fruit appears on female plants in fall as a black 1/2" drupe that's favored by birds; semi-evergreen narrow willow-like blue-green summer foilage turns brilliant shades of red, purple or orange in fall then persist as pinkish-tan through winter; small tree or large shrub to about 10' tall by 6' wide; locate in full sun to partial shade & organic well-drained moisture retentive acidic soils; asian native; Zones 5 - 8 Liquidambar styraciflua American Sweetgum DECIDUOUS SHADE TREE; distinct pyramidal habit in youth evolves to a more rounded form when mature at 70' tall by 50' wide; dark glossy green summer foliage turns variable shades of burgundy, red, yellow & deep purple in fall; locate in full sun & moist to partially wet organic soils; native to eastern of US & Mexico; Zones 5 - 9 Liquidambar styraciflua Jubilleeâ,¢ ('Happidaze') Seedless American Sweetgum DECIDUOUS SHADE TREE; rapid growing pyramid when young to 45' tall; seedless cultivar; dark green summer foliage turns maroon in the fall; locate in full sun & moist to partially wet organic soils; tolerant of compacted urban soils; native to eastern of US & Mexico; Zones (5) 6 - 9 Liriodendron tulipifera Tuliptree; Tulip Poplar DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat weak wooded; light orange-green flowers in early Jume; green summer foliage turns variable yellow in fall; locate in fu		2g		-
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green summer foliage turns maroon in the fall; locate in full sun & moist to partially wet organic soils; tolerant of compacted urban soils; native to eastern of US & Mexico; Zones (5) 6 - 9 Liriodendron tulipifera Tuliptree; Tulip Poplar DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat weak wooded; light orange-green flowers in early June; green summer foliage turns variable yellow in fall; locate in full sun or light shade & deep organic soil that retains moisture & is somewhat acidic; US native; Zones 4 - 9 Maackia amurensis Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer	3 - 3.5"c	B&B		_
Liriodendron tulipifera Tuliptree; Tulip Poplar DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat weak wooded; light orange-green flowers in early June; green summer foliage turns variable yellow in fall; locate in full sun or light shade & deep organic soil that retains moisture & is somewhat acidic; US native; Zones 4 - 9 Maackia amurensis Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer	3.5 - 4"c	B&B		- 1
Tuliptree; Tulip Poplar DECIDUOUS SHADE TREE; rapid narrow upright habit to 100' or more; somewhat weak wooded; light orange-green flowers in early June; green summer foliage turns variable yellow in fall; locate in full sun or light shade & deep organic soil that retains moisture & is somewhat acidic; US native; Zones 4 - 9 Maackia amurensis Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer				
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orange-green flowers in early June; green summer foliage turns variable yellow in fall; locate in full sun or light shade & deep organic soil that retains moisture & is somewhat acidic; US native; Zones 4 - 9 Maackia amurensis Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer				
or light shade & deep organic soil that retains moisture & is somewhat acidic; US native; Zones 4 - 9 Maackia amurensis Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer				
Amur Maackia DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer				
DECIDUOUS ORNAMENTAL TREE; 4 - 6" white racemes in July; coppery bark exfoliates with age; grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer	2 - 2.5"c	B&B		+
grows to about 25' tall with similar or wider spread; few pests; drought resistant; dark green summer	2.5 - 3"c	B&B		- 1
foliage turns brown in fall: locate in full sun & acidic or alkaline well-drained soil: PHS Gold Metal				
-				
Asian native; Zones (3) 4 - 7 (8)				
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	_
Magnolia x acuminata 'Butterflies'		6 - 7'	B&B		- 1
BUSH					
(ellow Cucumbertree Magnolia					
DECIDUOUS ORNAMENTAL TREE; fragrant deep yellow flower in early April before the foliage opens,					
rarely produces seed; upright pyramidal habit to about 20' tall by 15' wide; multiple main branches					
reach upward from the ground; locate in full sun to partial shade & well-drained organic moisture					
retentive soil of varying pH; US / Asian cross [M. acuminata x M. denudata] (Savage) Zones (3) 4 - 8					
Magnolia x brooklynensis 'Lois'		6 - 7'	B&B		- N
Yellow Hybrid Cucumbertree Magnolia					
DECIDUOUS ORNAMENTAL TREE; lightly fragrant creamy yellow cup-shaped flowers for about 3					
weeks just before bud break in late April; glossy green summer foliage turns coppery-bronze in fall;					
vigorous upright habit to about 20' tall by 15' wide; locate in full sun or light shade & moisture retentive					
well-drained organic soils of varying acidity (Koerting / BBG) Zones 5 - 8 (9)					
Magnolia glauca					
see: Magnolia virginiana					
Magnolia grandiflora 'Bracken's Brown Beauty'		7 - 8'	B&B		_
Southern Magnolia					
EVERGREEN FLOWERING TREE; fragrant white flowers in June; dark green leathery foliage is quite					
smaller than the species with dark brown indumentum; showy red seeds in late summer; broadly					
upright habit to about 30' by 20' wide; locate in full sun to partial shade & acidic well-drained organic					
soil; protect from winter winds in northern hardiness range; southeastern US native (Bracken) Zones					
(5) 6 - 9 (10)					
Magnolia x 'Judy Zuk'		6 - 7'	B&B		- N
Yellow Hybrid Magnolia		7 - 8'	B&B		- 1
DECIDUOUS ORNAMENTAL TREE; fragrant bright yellow sterile flower with some purple at the base					
in early April as the new foliage emerges & are subject to damage by late freezes; large green summer					
leaves turn coppery-bronze in fall; upright habit up to about 30' tall by 10' wide in 10 or more years;					
locate in full sun to partial shade & well-drained organic moisture retentive soil of varying pH; US /					
Asian cross [M. acuminata x M liliiflora x M. stellata] (BBG) Zones (4) 5 - 9					
Magnolia x liliiflora 'Ann'		15 - 18"	3g		_
USDA Hybrid Lily Magnolia		5 - 6'	B&B		_
DECIDUOUS ORNAMENTAL TREE; fuzzy light gray buds open to lightly fragrant deep purple-red		6 - 7'	B&B		_
flowers in mid/late April as the foliage emerges; sporadic summer flowers; medium green summer					
foliage turns yellowish in fall; compact bushy upright habit to 10' high & wide; smooth gray bark; locate					
in full sun or light shade & moist organic well-drained soils of varying acidity; tolerates limited excessive	è				
moisture; native Asian cross [M. liliiflora 'Nigra' x stellata 'Rosea'] (Kosar & deVos / USNA) Zones (3)					
4 - 8					
Magnolia x liliiflora 'Jane'		6 - 7'	B&B		- N
USDA Hybrid Lily Magnolia					
DECIDUOUS ORNAMENTAL TREE; fuzzy light gray buds open to reddish-purple flowers with white					
centers in mid/late April as the foliage emerges; sporadic summer flowers; medium green summer					
foliage turns yellowish in fall; compact bushy upright habit to about 15' tall by 12' wide; smooth gray					
bark; locate in full sun or light shade & moist organic well-drained soils of varying acidity; tolerates					
limited excessive moisture; native Asian cross [M. liliiflora 'Reflorescens' x stellata 'Waterlily'] (Kosar &					
deVos / USNA) Zones 3 - 8					
Magnolia x soulangeana		15 - 18"	3g		- N
Saucer Magnolia					
DECIDUOUS ORNAMENTAL TREE; flowers are whitish inside & dark pink outside in early April before					
the foliage; broadly upright habit to 30' tall & wider with age; locate in full sun to light or dappled shade					
& deep well-drained moisture retentive acidic soil [M. denudata x M. liliiflora] (Soulange-Bodin) Zones					
4 - 9					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Magnolia stellata 'Royal Star'		15 - 18"	3g	
Star Magnolia		5 - 6'	B&B	
DECIDUOUS ORNAMENTAL TREE; fragrant white 3" star-like flowers in late March before the foliage,	;	6 - 7'	B&B	
broad bushy habit to about 15' tall & usually wider; locate in full sun to light or dappled shade & deep				
well-drained acidic soil with good moisture retention; Japanese native (Vermeulen N) Zones 5 - 8				
Magnolia virginiana		6 - 7'	B&B	
BUSH		7 - 8'	B&B	
Sweetbay Magnolia; Swamp Magnolia		8 - 10'	B&B	
DECIDUOUS ORNAMENTAL TREE; fragrant lemon-scented creamy-white flowers in late spring				
among the foliage; bright red seeds emerge from large tan seed-pods in late summer; medium green				
summer foliage is silvery below & turns yellowish in fall; loose upright habit to about 25' tall & as wide				
in time; tolerant of air pollution; locate in full sun or shade & moist to wet acidic soils; some salt				
tolerance; eastern US native; Zones 5 - 9				
Malus domestica 'Gala'		1.75 - 2"c	B&B	
		1.75-20	DQD	I
Fruiting Apple DECIDUOUS FRUIT TREE; pink buds open to white flowers in May; fruit usually follows in early fall;				
locate in full sun (for best fruit production) or light shade & organic moisture retentive well-drained soil, native to western Asia; Zones 3 - 8				
Malus domestica 'Granny Smith'		1.75 - 2"c	B&B	I
Fruiting Apple				
DECIDUOUS FRUIT TREE; light pink to white flowers in May; green fruit in late summer; grows to				
about 20' tall and wide; attracts hummingbirds & butterflies; used mostly for baking & sauces; locate in				
full sun (for best fruit production) or light shade & organic moisture retentive well-drained slightly				
acidic soil; best pollination with multiple varieties; chance seedling from Australia that might be M.				
oumila x M. sylvestris; native to western Asia; Zones 3 - 8				
Malus domestica 'McIntosh'		2"c	B&B	
Fruiting Apple				
DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; sweet red fruit follows in				
early fall; habit varies with root-stock but tends to be as high as wide; attracts hummingbirds &				
butterflies; locate in full sun (for best fruit production) or light shade & organic moisture retentive				
well-drained slightly acidic soil; best pollination with multiple varieties; will not cross-polinate with				
Macoun'; native to western Asia; Zones 4 - 6				
Malus domestica 'Red Delicious'		1.75 - 2"c	B&B	
Fruiting Apple			Dub	
DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; large slightly tart dark				
red fruit follows in early fall; habit varies with root-stock but tends to be as high as wide; attracts				
hummingbirds & butterflies; locate in full sun (for best fruit production) or light shade & organic				
moisture retentive well-drained slightly acidic soil; best pollination with at least 1 other variety; native				
to western Asia; Zones 5 - 8				
Malus domestica Red Fuji ('Nagafu 6')		2"c	B&B	
		20	DQD	I
Fruiting Apple				
DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; large slightly tart dark				
red fruit follows in early height varies with root-stock but tends to be about 15' high & wide; attracts				
hummingbirds & butterflies; locate in full sun (for best fruit production) or light shade & organic				
moisture retentive well-drained slightly acidic soil; best pollination with multiple varieties; native to				
western Asia; Zones 5 - 8				

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	′
Malus domestica 'Yellow Delicious' Fruiting Apple DECIDUOUS FRUIT TREE; pink buds open to white flowers in May; fruit usually follows in early fall; habit varies with root-stock but tends to be as high as wide; attracts hummingbirds & butterflies; locate in full sun (for best fruit production) or light shade & organic moisture retentive well-drained slightly		2 - 2.5"c	B&B		- 1
acidic soil; excellent pollinator; self fruitful; native to western Asia; Zones 4 - 8					
Metasequoia glyptostroboides		8 - 10'	B&B		-
BRANCHED AT 2.5 Dawn Redwood DECIDUOUS CONIFER; bright green summer needles turn reddish-bronze in fall; large pyramidal habit to 100' or more tall by 25' or more wide; branching usually starts about 4-5' above the ground unless specified otherwise; tolerates somewhat wet soils; locate in full sun & moisture retentive neutral to acidic organic soil, tolerant of a wider range soil types except highly alkaline; PHS Gold Metal; Chinese native; Zones 5 - 8		10 - 12'	B&B		-
Morrella pensylvania see: Myrica pensylvanica					-
Myrica pensylvanica Northern Bayberry EVERGREEN ORNAMENTAL SHRUB; non-ornamental male or female flowers in early spring; female plants have profuse amounts of grayish-white fruit; bushy suckering habit to 10' tall & wide; very useful in coastal landscapes for it extreme salt tolerance; can be semi-evergreen to evergreen in southern hardiness range; fruit used to make candles, etc.; resists deer browse; locate in full to partial sun & just about any soil; performs very well in sterile sandy soils with high salinity; Genus recently renamed Morella; eastern US native; Zones 3 - 7		24 - 30"	7g		-
Nyssa sylvatica		2.5 - 3"c	B&B		_
Black Gum; Black Tupelo		3 - 3.5"c	B&B		-
DECIDUOUS SHADE TREE; glossy dark green summer foliage turns brilliant shades of red, orange		3.5 - 4"c	B&B		-
&/or yellow in fall; young distinctly pyramidal plants mature upright or wide-spreading at maturity reaching 50' tall by 30' wide; taproot; fall transplanting hazard; locate in full sun to partial shade; prefers moist organic well-drained acidic soils, but tolerates a wide soil range if soil is not alkaline; US native; Zones 4 - 9		4 - 4.5"c	B&B		- N
Nyssa sylvatica Green Gableâ,,¢ ('NSUHH') Black Gum; Black Tupelo DECIDUOUS SHADE TREE; very glossy green summer foliage turns bright orange-red to dark red in fall; dense upright pyramidal heads to about 50' tall & half as wide; superior resistance to leaf spot; taproot; fall transplanting hazard; locate in full sun to partial shade & moisture retentive well-drained acidic soils; can tolerate temporary standing water; US native (Hidden Hollow N) Zones 5 - 9		2 - 2.5"c	B&B		- N
Osmanthus heterophyllus 'Gulftide'	Spring	4 - 5'	B&B		-
Hardy False-holly BROADLEAF EVERGREEN SHRUB; compact upright habit to 15'; spiny holly-like foliage; highly resistant to deer browse; locate in full sun to partial shade; prefers moist organic well-drained acidic soil, but is tolerant of slight alkalinity; native to Japan; Zones 6 - 9	-1 5				
Ostrya virginiana American Hop Hornbeam; American Ironwood SHADE TREE; bright dark green summer foliage turns yellowish in fall; fall transplanting hazard; locate in full sun to partial shade; tolerates a wide soil range if acidic and drains well; drought tolerant; native to eastern & central North America; Zones 4 - 9		2 - 2.5"c	B&B		-
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Oxydendrum arboreum		5 - 6'	2g		N
Sourwood		6-7' / 1"c	B&B		
ORNAMENTAL TREE; creamy cascading flower panicles in August; pendulous light green seed capsules	5				
contrast against the brilliant red fall foliage which appear at the same time; variable narrow upright					
grower to 35' or more; locate in full sun to partial shade & deep organic well-drained acidic soils;					
withstands limited drought; not for urban areas; Zones (4) 5 - 9					
Parrotia persica		2"c	B&B		
TREE FORM		2.5 - 3"c	B&B		
Persian Ironwood; Persian Witchhazel		3 - 3.5"c	B&B		
DECIDUOUS ORNAMENTAL TREE; small crimson flowers appear before the foliage in early spring;		3.5 - 4"c	B&B		N
individually they aren't significant, however in mass they help welcome spring; emerging spring foliage					
is glossy green with a maroon margin; glossy green summer foliage turns shades of red, orange and					
gold in fall & is persistent; exfoliating bark appears on thicker branches; grows to 30' or more tall &					
wide; locate is full sun or partial shade and most well-drained soils; PHS Gold Metal; native of Asia					
Minor; Zones (4) 5 - 8					
Phellodendron lavalle Eye Stopper ('Longenecker')		2 - 2.5"c	B&B		
Lavalle Cork Tree					
DECIDUOUS SHADE TREE; compound dark green summer foliage turns brilliant yellow in fall; usually					
seedless; young upright plants become wide-spreading at maturity reaching about 40' tall by 35' wide;					
locate in full sun to partial shade; prefers moist organic well-drained acidic soils, but tolerates a wide					
soil range if soil is not alkaline; native of Asia; Zones 4 - 7					
Picea abies		6 - 7'	B&B		
SEMI SHEARED		7 - 8'	B&B		
Norway Spruce		8 - 10'	B&B		
EVERGREEN CONIFER; pyramidal habit to about 60' tall by 30' wide at maturity; dark green needles					
persist for several years; plants sheared for fullness; resists deer browse; locate in full sun to partial					
shade & well-drained neutral to acidic moisture retentive soils; native to northern Europe; Zones 3 - 7					
Picea abies 'Cupressina'		6 - 7'	B&B		
Fastigiate Norway Spruce		16 - 18'	B&B		N
EVERGREEN ORNAMENTAL CONIFER; narrow pyramidal to columnar habit to about 6' tall by 2'					
wide in 10 years; dark green summer needles become bluish-green in winter; heavy snow or ice in					
winter can spread branches; resists deer browse; locate in full sun to partial shade & well-drained					
neutral to acidic moisture retentive soils; native to northern Europe; Zones 2 - 7					
Picea abies 'Maxwellii'		24 - 30" spi	B&B		N
Dwarf Spreading Norway Spruce		30 - 36" spi			
EVERGREEN ORNAMENTAL CONIFER; dark green needles; slow irregular spreading mound to about					
4' high by 10' wide after many years; resists deer browse; locate in full sun to partial shade &					
well-drained neutral to acidic moisture retentive soils; native to northern Europe; Zones 2 - 7					
Picea omorika		6 - 7'	B&B		-
Serbian Spruce					
EVERGREEN CONIFER; narrow pyramidal habit to 60' tall & half as wide; blue & green needles; locate					
in full sun or partial shade & moisture retentive well drained soil that's either acidic or alkaline; protect					
from winter wind in northern range; adapts to poor air quality; native to southern Europe; Zones 4 - 7					
Picea omorika 'Globosa'		42 - 48" spi	B&B		N
Dwarf Serbian Spruce		<u>-</u>	500		
EVERGREEN ORNAMENTAL CONIFER; compact rounded habit; locate in full sun or partial shade &					
moisture retentive well drained soil that's either acidic or alkaline; protect from winter wind in northern					
range; adapts to poor air quality; native to southern Europe; Zones 4 - 7					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
Picea orientalis 'Gowdy'		6 - 7'	B&B		-
Compact Oriental Spruce		7 - 8'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; typical glossy dark green needles; compact pyramidal habit hat resembles the species, but grows about half as fast; locate in full sun or very light shade & moisture		8 - 10'	B&B		-
retentive well drained soil that's either acidic or alkaline; protect from winter wind in northern range;					
native to Asia Minor; Zones (4) 5 - 7					
Picea pungens 'Baby Blue'	Spring	6 - 7'	B&B		_
Blue Colorado Spruce	Spring	7 - 8'	B&B		- 1
EVERGREEN ORNAMENTAL CONIFER; bright blue needles; compact pyramidal habit to about 8' tall					
by 3' wide in 10 years; grown from a select seed source; tolerant of deer browse, drought & coastal					
conditions; subject to needle cast in warmer zones; locate in full sun & just about any neutral to acidic					
vell-drained soil; native to Rocky Mtns. of US (W Montrose Fm) Zones 3 - 7 (8)					
Picea pungens 'Fastigiata' / 'Iseli Fastigiata'		6 - 7'	B&B		-
Columnar Blue Colorado Spruce		7 - 8'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; narrow columnar habit when young; widens with age (like w do); gray-blue needles; highly deer browse resistant; locate in full sun & just about any well-drained	e				
soil; tolerant of drought & coastal conditions; native to Rocky Mtn region of US (Iseli) Zones 3 - 7 (8)					
	Queri	0.7	D 2		_
Picea pungens 'Fat Albert' Select Blue Colorado Spruce	Spring Spring	6 - 7' 7 - 8'	B&B B&B		-
Select Blue Colorado Spruce EVERGREEN ORNAMENTAL CONIFER; uniform broadly compact pyramidal habit; good blue color;	Spring	7 - 8 8 - 10'	B&B B&B		-
highly deer browse resistant; locate in full sun & just about any well-drained soil; tolerant of drought &	Spring	0 - 10	DQD		-
coastal conditions; native to Rocky Mtn. region of US (Iseli) Zones 3 - 7 (8)					
Picea pungens 'Glauca Globosa'		24 - 30" spi	B&B		_
Dwarf Blue Colorado Spruce					
EVERGREEN ORNAMENTAL CONIFER; dwarf mounding globe; silvery-blue needles; highly deer					
prowse resistant; locate in full sun & just about any well-drained soil; tolerant of drought & coastal					
conditions; native to Rocky Mtn region of US; Zones 3 - 7 (8)					
Picea pungens 'Glauca Pendula'	_	6 - 7'	B&B		-
Maaning Dive Calerada Sprues)	7 - 8'	B&B		- 1
Weeping Blue Colorado Spruce EVERGREEN ORNAMENTAL CONIFER; irregular upright or spreading habit depending on staking;					
each plants grows differently; bright blue needles; highly deer browse resistant; locate in full sun & just					
about any well-drained soil; tolerant of drought & coastal conditions; native to Rocky Mtn region of US					
Zones 3 - 7 (8)					
Pieris japonica 'Mountain Fire'		18 - 24"	7g		_
Japanese Andromeda					
EVERGREEN FLOWERING SHRUB; very limited quantity of pendulous white racemes from late March	ו				
nto early April; bright red new growth appears for a long time; highly deer browse resistant; locate in					
dappled or afternoon shade & moist acidic well-drained organic soil; native to Japan & eastern China; Zones 5 - 7					
					_
Pinus flexilis 'Vanderwolf's Pyramid'	Spring	6 - 7'	B&B		-
Blue Pyramidal Limber Pine EVERGREEN ORNAMENTAL CONIFER; pyramidal habit; steel-blue needles in groups of 5; moderate		8 - 10'	B&B		-
o rapid grower; locate in full sun & well-drained organic moisture retentive soil; native to western					
Vorth America; Zones 4 - 7					

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	<u>′</u>
Pinus heldrechii var. leucodermis		6 - 7'	B&B		-
Bosnian Pine		7 - 8'	B&B		- 1
EVERGREEN CONIFER; pyramidal habit to about 10' & half as wide in 10 years; dark bluish-purple cones appear in spring before turning brown at maturity; dark green needles in groups of 2; high salt colerance for coastal areas & along roads; locate in full sun & most well-drained soils including alkaline native to the mountains of southeastern Europe; Zones 5 - 7	;	8 - 10'	B&B		- N
Pinus koraiensis		8 - 10'	B&B		-
Korean Pine EVERGREEN CONIFER; pyramidal habit with horizontal lateral limbs; distinctive layered look when young; green needles in groups of 5; locate in full sun to moderate shade & just about any soil that drains; native to Korea; Zones 4 - 7					
Pinus parviflora 'Baldwin'		6 - 7'	B&B		_
Japanese White Pine		7 - 8'	B&B		_
EVERGREEN ORNAMENTAL CONIFER; open grower; heavy cone set; blue-green needles in groups of		8 - 10'	B&B		_
5; locate in full sun & very well-drained soils of varying pH; salt tolerant; Japanese native; Zones 4 - 7		10 - 12'	B&B		_
		12 - 14'	B&B		-
Pinus parviflora 'Glauca'		6 - 7'	B&B		_
Blue Japanese White Pine		12 - 14'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; dark blue needles in groups of 5; narrow open upright habit when young; matures to a wide spreading flat-topped habit around 40' tall; tolerant of roadside salt & coastal conditions; locate in full sun & very well-drained soils of varying pH; reclassified as (Glauca Group) from 'Glauca'; Japanese native; Zones 4 - 7		14 - 16'	B&B		-
Pinus parviflora 'Petersen' see: Pinus parviflora 'Baldwin'					-
Pinus rigida UPRIGHT FORM	n	6 - 7'	B&B		-
Pitch Pine; Northern Pitch Pine EVERGREEN ORNAMENTAL CONIFER; open irregular upright habit to 40' or more; 3 dark green needles per bundle; not particularly ornamental; locate in full sun & acidic soils with reasonable drainage; very tolerant of sterile sandy soil; native to eastern US & Canada; Zones 4 - 7					
Pinus strobus		6 - 7'	B&B		+
SEMI SHEAREI	0	7 - 8'	B&B		
Eastern White Pine		8 - 10'	B&B		_
EVERGREEN CONIFER; long medium green needles in groups of 5; pyramidal habit in youth becomes		10 - 12'	B&B		_
dramatic open irregular specimens with maturity; sheared heavily, but have loose new growth on the outer branches; locate in full sun or very light shade & acidic well-drained soil; native to eastern US & Canada; Zones 3 - 7 (8)					
Pinus strobus 'Fastigiata'		6 - 7'	B&B		_
Fastigiate Eastern White Pine		7 - 8'	B&B		_
EVERGREEN ORNAMENTAL CONIFER; fairly narrow upright habit becomes broadly columnar when		8 - 10'	B&B		_
nature; soft green needles in groups of 5; locate in full sun & well drained acidic soil; protect from winc n colder locations; PHS Gold Metal; native to eastern US & Canada; Zones 3 - 7 (8)	1				
Pinus strobus 'Macopin'		30" - 36" sp			-
Dwarf Eastern White Pine		5 - 6'	B&B		- 1
EVERGREEN ORNAMENTAL CONIFER; compact globe; green needles in groups of 5; locate in full sun & well drained acidic soil; protect from wind in colder locations; native to eastern US & Canada; Zones · 7 (8)					
3 Decision Way West represented by: Vashington Crossing, PA 18977-1125 vww.phintuthill.com		emai	ohone: (21 fax: (26 I: Phin@R	5) 321-4 7) 397-2 PTuthill	454 207

Pinus thunbergii apanese Black Pine VERGREEN CONIFER; irregular broad upright habit; dark green needles in bundles of 2; very esistant to salt; locate in full sun & well-drained neutral to acidic soil; perhaps the best ornamental vergreen for coastal areas; native to Japan & Korea; Zones (5) 6 - 8 Platanus x acerifolia ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full un & a wide range of moisture retentive soils [P. orientalis x P. occidentalis] Zones 5 - 8 (9)		6 - 7' 7 - 8' 8 - 10' 2 - 2.5"c	8&B 8&B 8&B	
EVERGREEN CONIFER; irregular broad upright habit; dark green needles in bundles of 2; very esistant to salt; locate in full sun & well-drained neutral to acidic soil; perhaps the best ornamental vergreen for coastal areas; native to Japan & Korea; Zones (5) 6 - 8 Platanus x acerifolia ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full		8 - 10'		
esistant to salt; locate in full sun & well-drained neutral to acidic soil; perhaps the best ornamental vergreen for coastal areas; native to Japan & Korea; Zones (5) 6 - 8 Platanus x acerifolia ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full			B&B	
vergreen for coastal areas; native to Japan & Korea; Zones (5) 6 - 8 Platanus x acerifolia ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full		2 - 2.5"c		
Platanus x acerifolia ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full		2 - 2.5"c		
ondon Planetree DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full		2 - 2.5"c		
DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full			B&B	 N
xfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full		2.5 - 3"c	B&B	 N
5' wide; tolerates moist soils & urban conditions; subject to anthracnose & other diseases; locate in full				
-				
Platanus acerifolia 'Bloodgood'		2 - 2.5"c	B&B	
ondon Planetree DECIDUOUS SHADE TREE; large spreading shade tree to 80' tall & nearly as wide; exfoliating bark				
eveals patches of off-white & tan; high resistance to anthracnose; locate in full sun & a wide range of				
noisture retentive soils; good in wet soils and urban conditions [P. orientalis x P. occidentalis] Zones				
4) 5 - 8 (9)				
Platanus x acerifolia 'Columbia'		4 - 4.5"c	B&B	-
London Planetree				
DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; showy				
xfoliating bark with patches of off-white, tan & light green; more deeply cut foliage than 'Bloodgood';				
yramidal to oval heads to about 80' tall by 65' wide; high resistance to mildew & anthracnose; tolerates				
noist soils & urban conditions; subject to anthracnose & other diseases; locate in full sun & a wide range	ò			
f moisture retentive soils [P. orientalis x P. occidentalis] (Santamour / USNA) Zones 5 - 8 (9)				
Platanus x acerifolia Exclamationâ,,¢ ('Morton Circle')		6 - 8' stk	2g	
ondon Plane		2 - 2.5"c	B&B	
DECIDUOUS SHADE TREE; reduced quantities of rounded tan ball in pairs appear in late fall through		2.5 - 3"c	B&B	
vinter; showy exfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to bout 80' tall by 65' wide; high resistance to mildew & anthracnose; tolerates moist soils & urban		3 - 3.5"c	B&B	 N
onditions; locate in full sun & a wide range of moisture retentive soils [P. orientalis x P. occidentalis]				
Ware / Morton Arb.) Zones (5) 6 - 8 (9)				
Platanus x acerifolia 'Suttneri'		2 - 2.5"c	B&B	-
/ariegated London Planetree		2 - 2.5 c 2.5 - 3"c	B&B	
DECIDUOUS SHADE TREE; rounded tan ball in pairs appear in late fall through winter; white streaks		3 - 3.5"c	B&B	
spotting throughout the green foliage; exfoliating bark reveals striking inner white bark; pyramidal				
eads to about 80' tall by 30' wide at maturity; high resistance to mildew & anthracnose; tolerates mois	t			
oils & urban conditions; subject to other diseases; locate in full sun & a wide range of moisture retentive	ò			
oils [P. orientalis x P. occidentalis] Zones 5 - 8 (9)				
Platanus occidentalis		2 - 2.5"c	B&B	 N
American Sycamore				
DECIDUOUS SHADE TREE; large growing broadly headed tree to as much as 100' tall; vivid white				
atches on the bark of older trees; locate in full sun & a wide range of moisture retentive soils; good in				
vet soils; native from the Midwest through coastal Canada, US & Mexico; Zones 4 - 9				
Prunus domestica 'Stanley'		2 - 2.5"c	B&B	 N
European Plum; Prune Plum		2.5 - 3"c	B&B	
DECIDUOUS FRUIT TREE; fragrant showy white flowers in April before the foliage; bluish-purple fruit				
n Sept; prune plums have firmer flesh & higher sugar content which allows them to be dried into wunes; good for eating, canning & jelly; rounded heads to 15' tall by 12' wide - depending on rootstock;				
elf-fertile but bears more heavily with other plum trees near by; locate in full sun & well-drained				
noisture retentive soil; European native (NY Experimental Sta.) Zones 5 - 7				
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Prunus x 'Okame' Pink Bell-flowered Cherry DECIDUOUS ORNAMENTAL TREE; bright rosy-pink flowers in late March or early April for an extended period if not freeze damaged; dark green summer foliage turns shades of red & orange in fall lossy reddish-brown bark; upright oval heads to about 30' tall & wide at maturity; locate in full sun & ny well-drained soil; PHS Gold Metal [P. campanulata x P. incisa] Zones 6 - 8		2.5 - 3"c 3 - 3.5"c 3.5 - 4"c	B&B B&B B&B		-
DECIDUOUS ORNAMENTAL TREE; bright rosy-pink flowers in late March or early April for an xtended period if not freeze damaged; dark green summer foliage turns shades of red & orange in fall lossy reddish-brown bark; upright oval heads to about 30' tall & wide at maturity; locate in full sun & ny well-drained soil; PHS Gold Metal [P. campanulata x P. incisa] Zones 6 - 8					
xtended period if not freeze damaged; dark green summer foliage turns shades of red & orange in fall lossy reddish-brown bark; upright oval heads to about 30' tall & wide at maturity; locate in full sun & ny well-drained soil; PHS Gold Metal [P. campanulata x P. incisa] Zones 6 - 8		3.5 - 4"c	B&B		-
lossy reddish-brown bark; upright oval heads to about 30' tall & wide at maturity; locate in full sun 8 ny well-drained soil; PHS Gold Metal [P. campanulata x P. incisa] Zones 6 - 8					- 1
ny well-drained soil; PHS Gold Metal [P. campanulata x P. incisa] Zones 6 - 8					
Prunus sargentii Pink Flair® ("JFS-KW58')		2 - 2.5"c	B&B		_
4' GRAF	т				
argent Cherry DECIDUOUS ORNAMENTAL TREE; fragrant bright pink flowers in early May; dark green disease					
esistant summer foliage turns brilliant shades of orange-red in fall; upright habit to 25' by 15' wide;					
lossy reddish-brown bark; heat & drought tolerant; locate in full sun & any well-drained soil; Japane	se				
ative (Schmidt) Zones (3) 4 - 8					
Prunus sargentii 'Rancho'		2 - 2.5"c	B&B		_
4' GRAF	т	2.5 - 3"c	B&B		_
Columnar Sargent Cherry					
DECIDUOUS ORNAMENTAL TREE; deep pink flowers in late April before the foliage; shiny dark gree	n				
ummer foliage turns reddish-bronze in the fall; glossy reddish-brown bark; very narrow upright to arrowly vase-shaped habit to about 35' tall by 10' wide at maturity; locate in full sun & any					
vell-drained soil; Japanese native (Scanlon) Zones 4 - 6 (7)					
·					_
Prunus serotina		2 - 2.5"c 2.5 - 3"c	B&B B&B		-
Black Cherry DECIDUOUS ORNAMENTAL TREE; fragrant white flowers in 6" racemes from late April to early May	<i>.</i> .	2.5 - 3 C 3 - 3.5"c	B&B B&B		-
itter red fruit appears in late summer maturing to black; shiny dark green summer foliage turns	/	0 0.0 0	DQD		- Г
hades of yellow & rose in the fall; upright habit to 50' or more tall by 30' or more wide; fruit attracts					
vildlife; toleratant of Black Locust; locate in full sun to light shade & well-drained moisture retentive s	oil				
f varying acidity; North American native; Zones 3 - 9					
Prunus serrulata 'Kanzan' ee: Prunus serrulata 'Kwanzan' / 'Kanzan' / 'Sekiyama'					-
Prunus serrulata 'Kwanzan'		2 - 2.5"c	B&B		+
apanese Flowering Cherry; Oriental Cherry		2-2.50	DQD		-
DECIDUOUS ORNAMENTAL TREE; profuse dark double pink flowers in late April or early May are					
terile; vase shaped heads to about 30' tall & wide; brilliant reddish-orange fall foliage; shiny dark					
rown bark; tolerant of salt & urban locations; locate in full sun & any well-drained soil; Asian native;					
iones 4 - 7					
P runus serrulata 'Sekiyama' ee: Prunus serrulata 'Kwanzan' / 'Kanzan' / 'Sekiyama'					-
		0.05%			_
Prunus subhirtella 'Autumnalis' / var. autumnalis Prink Fall-flowering Cherry		2 - 2.5"c 4.5 - 5"c	B&B B&B		
DECIDUOUS ORNAMENTAL TREE; semi-double light pink flowers in early April fade to white;		5 - 6"c	B&B		- r - N
poradic fall flowers during warmer weather; spreading upright habit to 30' and almost as wide; loca	'e				
n full sun & any well-drained soil; Asian native; Zones (5) 6 - 8					
Prunus x yedoensis		2.5 - 3"c	B&B		- N
'oshino Cherry		3 - 3.5"c	B&B		- 1
DECIDUOUS ORNAMENTAL TREE; lightly fragrant white flower in early to mid spring; upright		5 - 6"c	B&B		-
preading habit to about 30' high & wide; locate in full or mostly sunny areas & any moisture retentive /ell-drained soil; Japanese native; Zones 5 - 8		6 - 7"c	B&B		- 1
en aramed son, Sapanese native, Zones 3 - 0					
3 Decision Way West represented by: /ashington Crossing, PA 18977-1125			phone: (21 fax: (26	5) 321-4	154

N denotes new plants and/or sizes for Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Prunus x yedoensis 'Akebono'		2 - 2.5"c	B&B	
Pink Yoshino Cherry		2.5 - 3"c	B&B	
DECIDUOUS ORNAMENTAL TREE; soft pink flowers in early April that fade to white; rapid grower		3 - 3.5"c	B&B	
vith spreading heads to about 25' high & wide; locate in full or mostly sunny areas & any moisture				
retentive well-drained soil; Japanese native; Zones 5 - 8				
Pyrus x triploida Chastity® ('NCPX2')		2 - 2.5"c	B&B	
Towering Pear				
DECIDUOUS ORNAMENTAL TREE; pink buds open to profuse white flowers in mid April; dark glossy				
reen summer foliage turns orange to red in fall with purple highlights; broadly upright habit to about				
5' tall by 25' wide; very resistant to fire blight; triploid; fruit is highly infertile; locate in full sun or ligh	t			
hade & just about any soil with reasonable drainage; tolerant of drought & urban conditions; Chinese				
native (Ranney) Zones 5 - 8				
Quercus alba		2 - 2.5"c	B&B	
Vhite Oak		2.5 - 3"c	B&B	
DECIDUOUS SHADE TREE; large spreading long-lived shade tree to about 60' tall with greater width;		3 - 3.5"c	B&B	
lark green summer foliage turns variable shades of brown to red; important wildlife food source; fall		3.5 - 4"c	B&B	
ransplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results;				
ocate in full sun & acidic well-drained soil; PHS Gold Metal; US native; Zones (3) 4 - 9				
Quercus bicolor		5 - 6' stk	3g	
Swamp White Oak		2 - 2.5"c	B&B	
DECIDUOUS SHADE TREE; broad rounded heads to about 50' or more tall with similar width; deeply		2.5 - 3"c	B&B	
urrowed & flaking bark; fall foliage is usually a good yellow, but can also be reddish-purple; important		3 - 3.5"c	B&B	
vildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it		3.5 - 4"c	B&B	
nas better survival results; locate in full sun to part shade & moist to well-drained acidic soil; cannot		4 - 4.5"c	B&B	
ake constantly wet soils; drought tolerant; native to US & Canada; Zones 4 - 8		4.5 - 5"c	B&B	
		5 - 6"c	B&B	
Quercus coccinea		2.5 - 3"c	B&B	
Scarlet Oak		3 - 3.5"c	B&B	
DECIDUOUS SHADE TREE; pyramidal habit to about 70' tall by 40' wide; deeply cut dark glossy green		4 - 4.5"c	B&B	
summer foliage turns dark red in late fall; important wildlife food source; fall transplant hazard,				
nowever, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & acidic well-drained soil; native to US & Canada; Zones 4 - 9				
Quercus macrocarpa		2 - 2.5"c	B&B	
Burr Oak; Mossycup Oak		2.5 - 3"c	B&B	
DECIDUOUS SHADE TREE; irregular open broadly spreading heads to about 70' tall & often wider;		3 - 3.5"c	B&B	
pright green summer foliage turns variable shades of yellow-brown in fall; fall transplant hazard;		3.5 - 4"c	B&B	
mportant wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly		4 - 4.5"c	B&B	
nydrated it has better survival results; locate in full sun & moist to well-drained alkaline to acidic soil; olerant of some urban conditions; native to US & Canada; Zones 3 - 8		4.5 - 5"c	B&B	
		0.05		
Quercus montana		2 - 2.5"c	B&B	
American Chestnut Oak; Basket Oak		3 - 3.5"c	B&B	
DECIDUOUS SHADE TREE; broad irregular spreading heads to about 70' tall & wide; light green summer foliage turns yellowish to golden brown in fall; easy to transplant; important wildlife food		4 - 4.5"c	B&B	
cource; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better				
curvival results; locate in full & most well-drained soils; does well in poor soils; eastern US native				
formerly Q. prinus] Zones 4 - 8				
initiary a printas zonos + - 0				

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 Chinkapin Oak; Yellow Chestnut Oak DECIDUOUS SHADE TREE; wide spreading habit to about 50' tall with greater spread; glossy light green summer fairly narrow lobed foliage turns shades from yellow to orange to brown in fall; mportant wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly nydrated it has better survival results; locate in full sun & alkaline soil with adequate moisture; eastern & central US native; Zones (4) 5 - 7 Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; provs to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; provs to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; somewhat drought tolerant; US native; Zones (6) 7 - 9 		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c 5 - 6' staked 2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c 3 - 3.5"c	B&B B&B B&B B&B B&B B&B B&B B&B B&B B&B	
DECIDUOUS SHADE TREE; wide spreading habit to about 50' tall with greater spread; glossy light green summer fairly narrow lobed foliage turns shades from yellow to orange to brown in fall; mportant wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & alkaline soil with adequate moisture; eastern & central US native; Zones (4) 5 - 7 Duercus palustris Din Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; WS native; Zones 4 - 8		3 - 3.5"c 5 - 6' staked 2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B 2g B&B B&B 3g B&B	
preen summer fairly narrow lobed foliage turns shades from yellow to orange to brown in fall; mportant wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & alkaline soil with adequate moisture; eastern & central US native; Zones (4) 5 - 7 Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8		5 - 6' staked 2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	2g B&B B&B 3g B&B	
mportant wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & alkaline soil with adequate moisture; eastern & central US native; Zones (4) 5 - 7 Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8		2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B B&B 3g B&B	
A central US native; Zones (4) 5 - 7 Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches manging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not of a kaline soils; US native; Zones 4 - 8		2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B B&B 3g B&B	
A central US native; Zones (4) 5 - 7 Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches nanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B B&B 3g B&B	
Duercus palustris Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not observe to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B B&B 3g B&B	
Pin Oak DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; prows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B B&B 3g B&B	
DECIDUOUS SHADE TREE; pyramidal habit to about 50' or more tall by 35' wide with lower branches hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		3 - 3.5"c 4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B 3g B&B	
hanging downward at a 45° angle; dark green summer foliage turns brown to russet in fall; important wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		4 - 6' 2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	3g B&B	
wildlife food source; not as much of a fall transplant hazard as other oaks however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B	
Trop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic soil; not olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B	
olerant of alkaline soils; US native; Zones 4 - 8 Duercus phellos Willow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B	
Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B	
Nillow Oak DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2 - 2.5"c 2.5 - 3"c 3 - 3.5"c	B&B	
DECIDUOUS SHADE TREE; narrow willow-like foliage turns orange to russet in fall; pyramidal heads; grows to about 50' or more; important wildlife food source; fall transplant hazard, however, if dug pefore leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic		2.5 - 3"c 3 - 3.5"c		
before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist acidic				
		3.5 - 4"c	B&B	
oil; somewhat drought tolerant; US native; Zones (6) 7 - 9			B&B	
		4 - 4.5"c	B&B	
		4.5 - 5"c	B&B	
		5 - 6"c	B&B	
		6 - 7"c	B&B	
Quercus prinus Ree: Quercus montana				
Quercus rubra		5 - 6'	2g	
Red Oak		2 - 2.5"c	B&B	
DECIDUOUS SHADE TREE; large grower to about 70' tall & wide; dark green summer foliage turns		2.5 - 3"c	B&B	
usset to bright red in fall; fall transplant hazard; important wildlife food source; fall transplant hazard,		3 - 3.5"c	B&B	
nowever, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun &		3.5 - 4"c	B&B	
vell-drained neutral to acidic soil; some success to coastal areas; native to US & Canada; Zones (3) 4 - 7		4 - 4.5"c	B&B	
		5 - 6"c	B&B	
		6 7"c	B&B	
Rhododendron arborescens Sweet Azalea		15 - 18"	5g	
DECIDUOUS FLOWERING SHRUB; Elepidote; fragrant white to light pink flowers with showy reddish				
tamens in June; glossy 4" long dark green summer foliage turns reddish in fall; loose broadly upright				
nabit to 5' tall & wide in 10 years; must be planted high, with the top of the root mass at least 10% of its'				
neight above the adjacent soil level; locate in light shade and deep organic well-drained moisture				
retentive acidic soils; eastern US native; - 25° F				
Rhododendron austrinum		24 - 30"	7g	
Florida Azalea; Florida Flame Azalea				
DECIDUOUS FLOWERING SHRUB; Elepidote; reddish buds open to large clusters of fragrant yellow to				
prange or red flowers in late April or early May as the leaves appear; upright open habit to 8'; very heat	t			
olerant; attracts butterflies & hummingbirds; must be planted high, with the top of the root mass at				
east 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic vell-drained acidic soils; eastern US native; SE US native; ROY 2008 Zones 6 - 9				

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OTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Rhododendron 'Camilla's Blush' ink Piedmont Azalea; Pink Florida Pinxter ECIDUOUS FLOWERING SHRUB; fragrant soft pink flowers in late April just before foliage break; rows to 8' tall & wide; suckering roots; attracts butterflies; resists rabbit browse; all parts poisonous if ngested; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent pil level; locate in light to filtered shade and deep organic well-drained moisture retentive acidic soil; ative of eastern US [R. canescens] Zones 5 - 7 (8)		18 - 21"	5g	
Rhododendron 'Cherokee' lame Azalea DECIDUOUS FLOWERING SHRUB; 2" yellow, orange & red flowers in clusters at the same time from the May into early June; fall foliage is variable yellow to orange; broadly upright habit to about 10' tall; bust be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil evel; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil; astern US native [R. calendulaceum] Zones 5 - 7		15 - 18"	5g	
Rhododendron 'Garden Rainbow' ink Deciduous Azalea <i>ECIDUOUS FLOWERING SHRUB; flowers open bright yellow, slowly maturing to shades of orange &</i> <i>ink in late May to early June; all three colors appear at the same time; bushy upright habit to 5' tall by</i> <i>'wide; glaucous mildew resistant foliage; must be planted high with the top of the root mass at least</i> <i>2% of its' height above the adjacent soil level; locate in light to moderate shade & deep organic</i> <i>well-drained moisture retentive acidic soil (Mezitt) Zones 5 - 8</i>		15 - 18"	5g	
Rhododendron 'Ken Janeck' ink Hybrid Yak Rhododendron VERGREEN FLOWERING SHRUB; Elepidote; strong pink flowers fade to off white in compact trusses f 13-17 flowers in mid season; recurved dark green heavily indumented foliage; spreading habit to bout 4' tall by 5' wide in 10 yrs.; must be planted high, with the top of the root mass at least 10% of its' eight above the adjacent soil level; locate in light to moderate shade and deep organic well-drained noisture retentive acidic soil [R. yak. seedling] (Janeck) Zones (4) 5 - 7		12 - 15" spr	5g	
Rhododendron 'Landmark' ink Hybrid Rhododendron VERGREEN FLOWERING SHRUB; Lepidote; wavy, purplish-red flowers in May as the flowers from Diga Mezitt' begin to fade; small semi-glossy dark green foliage becomes a nice purple-brown through ne winter; upright, somewhat open habit, to 4' tall; must be planted high, with the top of the root mass t least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep rganic well-drained moisture retentive acidic soil; ROY 2008 (Mezitt) - 15° F		18 - 24"	5g	
Rhododendron 'Marydel' ink Native Hybrid Azalea ECIDUOUS FLOWERING SHRUB; fragrant pink; early May; US native cross; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil [R. atlanticum x R. ericlymenoides] - 15° F		18 - 21"	5g	
Rosebay Rhododendron Rosebay Rhododendron VERGREEN FLOWERING SHRUB; light pink to white flowers in early July; leggy upright habit to 15' r more depending on the site; must be planted high, with the top of the root mass at least 10% of its' eight above the adjacent soil level; locate in light to moderate shade and deep organic moisture etentive well-drained acidic soils; native to eastern US & Canada; Zones 3 - 7		12 - 15"	3g	

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Rhododendron 'Maximum Roseum' Pink Hybrid Rhododendron EVERGREEN FLOWERING SHRUB; Elepidote; pinkish-lilac flower in June; bushy grower to 6' in 10 years; dark green sun tolerant foliage; also known as 'Pontic Roseum; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil [R. ponticum x R. maximum] (Pride) - 25° F)	24 - 30"	7g		
Rhododendron 'Millennium' Red Native Hybrid Azalea DECIDUOUS FLOWERING SHRUB; fragrant red or dark pink flowers with pale orange dorsal flare in late June; bluish-green mildew resistant summer foliage is silvery underneath, bushy upright habit to 5' in 10 years; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil (Mezitt) Zones (4) 5 - 7		18 - 21"	5g		
Rhododendron 'Millie Mac' Yellow Florida Azalea Cultivar DECIDUOUS FLOWERING SHRUB; reddish buds open to large clusters of fragrant vivid yellow flowers bordered with a white margin in late April to early May as the leaves appear, foliage turns yellowish in fall; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil; US native [R. austrinum] Zones (6) 7 - 9		18 - 24"	5g		
Rhododendron 'Mr. Bluestem' Pink Hybrid Rhododendron EVERGREEN FLOWERING SHRUB; Elepidote; pinkish-lilac flower in early June in lax trusses; narrow matte-green sun tolerant foliage; new stems are dark reddish-brown; bushy habit to about 6' tall & wide in 10 years; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil [R. 'Maximum Roseum' seedling] (Shannon) Zones 4 - 8		24 - 30"	7g		N
Rhododendron 'My Mary' Yellow Native Hybrid Azalea DECIDUOUS FLOWERING SHRUB; fragrant trusses of up to 25 2 1/2" yellow flowers with orange tubes from late April into May; stoloniferous bushy upright rounded habit to 4' tall & wide in 10 yrs; dark green summer foliage; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil; US native cross [R. austrinum x (R. atlanticum x R. periclymenoides)] (Beasley) Zones 5 - 8	5	18 - 24"	5g		
Rhododendron 'Nova Zembla' Red Hybrid Rhododendron EVERGREEN FLOWERING SHRUB; wine red flower in May; grows to 6' tall in 10 years; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light shade and deep organic well-drained acidic soils (Koster) - 25° F		15 - 18" spr 18 - 24" spr	-		
Rhododendron nudiflorum see: Rhododendron periclymenoides					
Rhododendron 'Pennsylvania' Pink Native Azalea Cross DECIDUOUS FLOWERING SHRUB; fragrant pink flowers with orange eye from mid July into early August; apple-green summer foliage turns coppery-yellow in fall; compact upright to spreading habit when mature; can grow to 8' tall & similarly wide; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil; may be able to handle more than average soil moisture; native US cross [R. viscosum x R. prunifolium] - 15° F	f	18 - 24"	5g		N
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N denotes new plants and/or sizes for Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY
Rhododendron periclymenoides		18 - 21"	5g	
inxterbloom Azalea				
ECIDUOUS FLOWERING SHRUB; profuse lightly fragrant light pink to medium pink to violet flowers				
n May just before or with the leaves; compact spreading habit to 5'; stoloniferous; must be planted high				
vith the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light or				
iltered shade and well-drained acidic soils; eastern US native; formerly R. nudiflorum; Zones 4 - 8 (9)				
Rhododendron prunifolium		15 - 18"	5g	
Plumleaf Azalea		24 - 30"	7g	
DECIDUOUS FLOWERING SHRUB; varying shades of orange to red flowers in July; upright spreading				
omewhat open habit to 6' in 10 yrs.; 6" long medium green foliage is not particularly showy in fall;				
ound along streams in wooded or semi-wooded areas; locate in light or filtered shade and moisture				
retentive highly organic well-drained acidic soils; tolerates more soil moisture than most; southeast US				
native; Zones 5 - 8 (9)				
Rhododendron 'Ribbon Candy'		18 - 24"	5g	
Pink Native Hybrid Azalea		24 - 30"	7g	
DECIDUOUS FLOWERING SHRUB; large fragrant pink flowers with white tubes appear in mid June;				
lark green summer foliage is mildly subject to mildew before turning shades of burgundy, red & orange				
n fall; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent				
oil level; locate in light to moderate shade and deep organic well-drained moisture retentive acidic soil				
(R. cumberlandense x R. arborescens) x R. mollis] Zones 6 - 7				
Rhododendron 'Silver Sovereign'		12 - 15" spr	5g	
White Hybrid Yak Rhododendron			0	
EVERGREEN FLOWERING SHRUB; Elepidote; compact white trusses in early-mid May; upright habit				
o 4' tall by 3' wide in 10 years; dark green foliage with tan indumentum; must be planted high, with the				
op of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate				
hade and deep organic well-drained moisture retentive acidic soil [R. yakushimanum x R. smirnowii]				
Morris / Schannen) - 20° F				
Rhododendron 'Solidarity'		18 - 21" spr	5g	
Pink Hybrid Yak Rhododendron		10 21 301	og	
EVERGREEN FLOWERING SHRUB; Elepidote; large dome trusses of 12-13 wavy pink flowers in				
nid-season; 5" dull green foliage with light tan indumentum; heat & sun tolerant; grows to about 4' in				
O years with a compact habit; must be planted high, with the top of the root mass at least 10% of its'				
neight above the adjacent soil level; locate in full sun or moderate shade and deep organic well-drained				
noisture retentive acidic soil (Schannen) - 15° F				
Rhododendron 'Split Rock'		15 - 18"	5g	
Pink Native Hybrid Azalea		10 10	0g	
DECIDUOUS FLOWERING SHRUB; pink flowers in early May; red winter stems; must be planted high,				
vith the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to				
noderate shade and deep organic well-drained moisture retentive acidic soil; US native [R.				
acemosum] - 15° F				
Phododendron vasevi		18 - 21"	50	
Rhododendron vaseyi		10-21	5g	
Pinkshell Azalea DECIDUOUS FLOWERING SHRUB; white to rose to deep pink flower clusters of 4 to 8 with green throa	t			
corange spots in April before the foliage; dark green foliage turns variable shades of orange to red in	L			
all; open, upright habit to 5' in 10 yrs.; must be planted high, with the top of the root mass at least 10%				
f its' height above the adjacent soil level; locate in light or filtered shade and moisture retentive highly				
rganic well-drained acidic soils; US native to the Blue Ridge Mountains of NC; Zones 4 - 7				
" game wen-ui ameu actuic sons, 03 native to the blue Riuge woulltains of NC; 2011es 4 - 7				

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	·
Rhododendron viscosum		18 - 24"	5g		-
Swamp Azalea					
DECIDUOUS FLOWERING SHRUB; very fragrant white to creamy flowers in early July; loose broadly					
upright habit to 5'; hairy stems distinguishes this species from R. arborescens (smooth stems); locate in					
partial or filtered shade & moist to wet acidic soils; eastern US native; Zones 4 - 9					
Rhododendron 'Weston's Innocense'		18 - 21"	5g		- 1
White Hybrid Azalea Cross					
DECIDUOUS FLOWERING SHRUB; small profuse fragrant white blooms in late June; compact upright					
habit to 5' tall & wide in 10 years; summer foliage is somewhat glossy with a bronze tinge & fairly mildew registrant, fall foliage is burgundy, red, much be planted high, with the tap of the rest mass at					
mildew resistant; fall foliage is burgundy-red; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate in light to moderate shade and deep organic					
well-drained moisture retentive acidic soil [R. viscosum x R. arborescens] (Mezitt) - 20° F					
		10 04"	Fa		-
Rhododendron 'Weston's Lemon Drop' Yellow Swamp Azalea		18 - 24"	5g		- N
DECIDUOUS FLOWERING SHRUB; peachy buds open to lightly lemon scented yellow flowers for 2					
weeks or more in July; compact upright habit ; small blue-green mildew resistant summer foliage turns					
pinkish-red on exterior leaves & more yellow on interior leaves; grows at half the rate of the species;					
winter stems are reddish-brown; must be planted high, with the top of the root mass at least 10% of its'					
height above the adjacent soil level; locate in light to moderate shade and deep organic well-drained					
moisture retentive acidic soil; chosen from a block of R. viscosum hybrids in 1975 (Mezitt) - 25° F					
Rhododendron yedoense var. poukhanense		15 - 18"	5g		-
Korean Azalea					
EVERGREEN FLOWERING SHRUB; small clusters of 2" single lightly fragrant soft lavender trusses of					
2-4 flowers with a reddish blotch in May; dark green summer foliage turns orange to reddish-purple in					
fall & is deciduous in northern-most range; grows to about 4-5' tall & twice as wide in 10 years; must be planted high, with the top of the root mass at least 10% of its' height above the adjacent soil level; locate					
in light to moderate shade & deep organic well-drained moisture retentive acidic soils; correct name is					
Rhododendron yedoense var. poukhanense; Korean native; Zones 4 - 8					
Ribies rubrum 'Rovada'			3g		+
Red Currant					
DECIDUOUS FRUITING SHRUB; inconspicuous yellowish-green pendulous spring flower clusters;					
clusters of bright red fruit appear in late summer are eaten fresh, used in drinks or in cooking; bushy					
habit to about 5' tall; attracts birds & butterflies; resists rabbit browse; locate in full sun or minimal					
shade & moisture retentive well-drained soils with neutral acidity; European native; Zones 3 - 7					
Rubus fruticosus 'Ouachita'			Зg		-
Blackberry					
DECIDUOUS FRUITING SHRUB; white flowers from late spring into mid-summer; sweet black fruit					
follow in mid to late summer; thornless; needs support; attracts pollinators; locate in full sun &					
well-drained moisture retentive soil; European native (U of AR) Zones 5 - 9					_
Rubus idaeus 'Carolina'			Зg		-
Everbearing Red Raspberry FRUITING SHRUB; non-showy early to mid-spring flower; self-fruitful bright red fruit in early to					
mid-fall for about 8 weeks; thorny stems; broadly upright habit to about 4' tall & wide; attracts birds &					
butterflies; somewhat disease resistant; locate in full to mostly sunny areas & moisture retentive					
well-drained neutral to acidic soil (U of MD) Zones 4 - 7					
Rubus idaeus var. strigosus 'Heritage'			3g		+
American Red Raspberry			Jy		•
FRUITING SHRUB; small light pink flower in late spring to early summer; self-fruitful large bright red					
fruit in early summer & a heavier crop in fall; thorny stems; broadly upright habit to about 6' tall by 4'					
wide & perhaps larger; attracts birds & butterflies; somewhat resistant to deer browse; locate in full to					
mostly sunny areas & moisture retentive well-drained neutral to acidic soil; Zones 4 - 8					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNT	1
Sassafras albidum		18 - 24"	2g		- 1
assafras					
DECIDUOUS SHADE TREE; eastern US native seldom seen in retail environments; common in redeserves in the greater mid. Atlantic area: main arramental feature is fall leaf color, shades of vallou					
nedgerows in the greater mid-Atlantic area; main ornamental feature is fall leaf color - shades of yellow prange &/or red; locate in full sun or light shade & moist acidic well-drained soil; very adaptable; Zone:					
1 - 9	,				
Schizophragma hydrangeoides		30 - 36"	7g		- N
Japanese Hydrangea-vine 3' TRELLIS					
DECIDUOUS CLINGING VINE; white flower from late June into early July; bluish-green foliage;					
attaches to structures by hold-fasts; very interesting texture contrast when combined with Hydrangea					
anomala petiolaris; locate in sun or shade & any well-drained moisture retentive soil; native to eastern					
Asia; Zones 5 - 7 (8)					
Sciadopitys verticillata		6 - 7'	B&B		-
Japanese Umbrella Pine EVERGREEN ORNAMENTAL CONIFER; long thick shiny dark green needles; pyramidal upright					
conifer to 50' give or take; locate in full sun or moderate shade & very well drained rich organic					
noisture retentive soil; PHS Gold Metal; native of Japan; Zones 5 - 6 (7)					
Sorbus aucuparia Cardinal Royal® ('Michred')		2.5 - 3"c	B&B		- 1
European Mountain Ash					
DECIDUOUS SHADE TREE; white flowers in May; brilliant red fruit; dark green summer foliage is					
silvery below & turns reddish in fall; vigorous upright oval habit to 35' tall by 20' wide; does not perform well in climates with hot summer nights: leasts in full our & ergenic well drained acidie sell; pative to	n				
vell in climates with hot summer nights; locate in full sun & organic well-drained acidic soil; native to northern Europe & Asia; Zone 3 - 6 (7)					
		0.7			+
Stewartia pseudocamellia LOW BRANCHEE	`	6 - 7' 7 - 8'	B&B B&B		-
Japanese Stewartia		7 0	DQD		-
ORNAMENTAL TREE; 3" diameter white flowers with prominent yellow centers in July; variable fall					
foliage from yellow through shades of red; very ornamental exfoliating bark in shades of gray to					
prange-brown; small upright grower to about 30'; very similar to S. koreana; locate in partial to	7				
iltered shade & rich organic well-drained moisture retentive acidic soil; Japanese native; Zones (4) 5 - 5	,				
Stewartia pseudocamellia		2 - 2.5"c	B&B		- 1
Japanese Stewartia TREE FORM	1				
ORNAMENTAL TREE; 3" diameter white flowers with prominent yellow centers in July; variable fall					
foliage from yellow through shades of red; very ornamental exfoliating bark in shades of gray to					
prange-brown; small upright grower to about 30'; very similar to S. koreana; locate in partial to					
filtered shade & rich organic well-drained moisture retentive acidic soil; Japanese native; Zones (4) 5 - 7	7				
Styrax japonicus		2 - 2.5"c	B&B		-
Interprese Snowholl	1				
Japanese Snowbell DECIDUOUS ORNAMENTAL TREE; white bell-like flowers in early June; creamy white berry clusters					
n August & September; upright or spreading heads to 25' tall & nearly as wide; branching starts above					
a single stem 3' to 5' above the ground; locate in full sun or partial shade (best) & deep organic					
vell-drained moisture retentive acidic soil; eastern Asian native; Zones 5 - 7 (8)					
Styrax japonicus Marleys Pink Parasolâ"¢ ('JLWeeping')		2"c	B&B		- 1
Neeping Pink Japanese Snowbell					
DECIDUOUS ORNAMENTAL TREE; lightly fragrant pink flowers in May & June; darker green summe. Foliage than the species turns lemon vellow in fall & is persistent; compact weeping to about 10' tall by 5					
foliage than the species turns lemon-yellow in fall & is persistent; compact weeping to about 10' tall by 5 wide, but varies with staking; locate in full sun or partial shade (best) & deep organic well-drained					
noisture retentive acidic soil; eastern Asian native (Lewis / UpShoot) Zones 5 - 7 (8)					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	1
Syringa reticulata 'Ivory Silk'		5 - 6' stk	2g		-
Japanese Tree Lilac		2 - 2.5"c	B&B		-
DECIDUOUS ORNAMENTAL TREE; profuse fragrant creamy-white flowers in June occur at a young		2.5 - 3"c	B&B		-
age; upright oval heads to 25'; branching starts from a single trunk at about 5' above the ground; locate		3 - 3.5"c	B&B		-
in full sun or light shade & well-drained organic soil of any pH; Japanese native; PHS Gold Metal		4 - 4.5"c	B&B		- 1
(Sheridan N) Zones 3 - 7					
Syringa vulgaris 'Beauty of Moscow' see: Syringa vulgaris 'Krasavista Moskvy'					-
Syringa vulgaris 'Krasavista Moskvy'		4 - 5'	B&B		- N
White French Hybrid Lilac					
DECIDUOUS FLOWERING SHRUB; double white flower; upright vase-shaped habit to 10'; locate in ful					
to mostly sunny areas with good air circulation & well-drained slightly acidic to alkaline organic soil;					
withstands coastal conditions; native to southern Europe; Zones 3 - 7					
Syringa vulgaris 'Monge'		4 - 5'	B&B		- N
Red French Hybrid Lilac					
DECIDUOUS FLOWERING SHRUB; single reddish-purple flower; upright vase-shaped habit to 10';					
locate in full to mostly sunny areas with good air circulation & well-drained slightly acidic to alkaline					
organic soil; withstands coastal conditions; native to southern Europe; Zones 3 - 7					
Thuja occidentalis 'Elegantissima'		6 - 7'	B&B		_
Variegated Eastern Arborvitae; Variegated White Cedar					
EVERGREEN ORNAMENTAL CONIFER; gold tipped summer foliage turns bronze in winter; broadly					
byramidal habit to 15'; tolerant of air pollution, Black Walnut & deer browse; locate in full sun (for best					
color) or light shade; adaptable to varying soil acidity & moisture - except extremes of either; native to					
eastern US & Canada; Zones 3 - 7					
Thuja occidentalis 'Emerald Green' see: Thuja occidentalis 'Smaragd'					-
		6 7'	B&B		-
Thuja occidentalis 'Smaragd'		6 - 7' 7 - 0'			-
Emerald Arborvitae EVERGREEN ORNAMENTAL CONIFER; bright emerald-green foliage all year; columnar to narrow		7 - 8'	B&B B&B		-
byramidal habit; tolerant of air pollution & Black Walnut; locate in full sun or light shade; adaptable to		8 - 10'	B&B		-
varying soil acidity & moisture - except extremes of either; native to eastern US & Canada; Zones (4) 5 -					
7					
Thuja occidentalis 'Techney'		6 - 7'	B&B		-
Mission Arborvitae		7 - 8'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; broadly columnar habit; dark green foliage all year; interior		8 - 10'	B&B		-
foliage stays green; tolerant of air pollution & Black Walnut; locate in full sun or light shade; adaptable		0 10	DQD		-
to varying soil acidity & moisture - except extremes of either; native to eastern US & Canada; Zones 3 - 7	,				
Thuja plicata		7 - 8'	B&B		-
Western Arborvitae; Giant Arborvitae		7 - 0 8 - 10'	B&B		- N
EVERGREEN ORNAMENTAL CONIFER; rapid pyramidal grower to 50' or more; bright dark green		10 - 12'	B&B		- r - N
foliage; somewhat deer browse resistant; locate in full sun or light shade & moist to well-drained soil of		10 12	DQD		- 1
varying acidity; tolerant of coastal exposure but not persistent drought; native to northwestern US &					
Canada; Zones (4) 5 - 8					
Thuja x 'Steeplechase'		7 - 8'	B&B		+
Compact Hybrid Arborvitae		7 - 8 8 - 10'	B&B		-
EVERGREEN ORNAMENTAL CONIFER; branch sport of Thuja x 'Green Giant' which is slightly slower		0 10	Dab		-
growing; pyramidal habit with slightly brighter green foliage; leader is less aggressive with more					
branching; somewhat deer browse resistant; locate in full sun or light shade & moist to well-drained soi.	1				
of varying acidity; tolerant of coastal exposure but not persistent drought; US & Canadian native cross					
[T. plicata x T. standishii] (Manor View) Zones 5 - 8					
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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNT	1
Filia cordata Littleleaf Linden		2 - 2.5"c	B&B		- 1
ECIDUOUS SHADE TREE; very fragrant yellowish flowers in late June attract bees in profusion;					
mall dark green heart-shaped foliage turns yellow in fall; foliage liked by Japanese Beetles; distinct					
yramidal heads with dominant central leader reaching about 50' tall by 30' wide; very tolerant of					
Irban conditions; locate in full sun & most soils; native to Europe; Zones 4 - 8					
Filia cordata 'Greenspire'		6 - 7'	2g		- 1
_ittleleaf Linden DECIDUOUS SHADE TREE; very fragrant yellowish flowers in late June; dark green foliage turns		2 - 2.5"c	B&B B&B		-
ellow in fall; distinct pyramidal heads reaching 60' tall & half or more as wide; liked by Japanese		2.5 - 3"c	DQD		-
Beetles; locate in full sun & most soils; very tolerant of urban conditions; native to Europe; Zones (3) 4 -					
,					
Filia tomentosa Green Mountain® ('PNI 6051')		2 - 2.5"c	B&B		_
Silver Linden					
DECIDUOUS SHADE TREE; fragrant flowers in late spring are not showy; vigorous grower with a					
rroadly pyramidal head to 50' or more tall by 40' wide; green summer foliage has a generous amount o omentose below, making it especially ornamental in the wind & resistant to Japanese Beetles; variable	f				
polden fall foliage; locate in full sun with moist well drained soils; heat & drought tolerant; native to					
Europe & western Asia (Flemer) Zones 4 - 8					
Filia tomentosa 'Sterling'		4 - 5' stk	2g		+
Silver Linden		1 0 044	-9		-
DECIDUOUS SHADE TREE; fragrant flowers in late June are not showy; vigorous grower with					
yramidal head to 50' tall & half or more as wide; green summer foliage has a generous amount of					
omentose below, making it especially ornamental in the wind & resistant to Japanese Beetles; variable					
golden fall foliage; locate in full sun with moist well drained soils; heat & drought tolerant; native to Europe & western Asia (Wandell) Zones 4 - 8					
rsuga canadensis		6 - 7'	B&B		_
Canadian Hemlock					
EVERGREEN CONIFER; short medium green needles; large pyramidal habit to 50' or more; excellent					
ccreen for shady locations; adelgid can be controlled by reducing stress with adequate moisture & is					
almost a non-factor on intermediate to dwarf cultivars; protect from winter winds in colder areas; ocate in full sun or full shade & moist well-drained acidic soils; native to US & Canada; Zones (3) 4 - 7					
Tsuga canadensis 'Albo-spica'		14 - 16'	B&B		_
/ariegated Canadian Hemlock		16 - 18'	B&B		- ' -
EVERGREEN ORNAMENTAL CONIFER; creamy white needles on new growth; upright mound to 10';					
delgid can be controlled by reducing stress with adequate moisture & is almost a non-factor on					
ntermediate to dwarf cultivars; protect from winter winds in colder areas; locate in full sun or full					
hade (partial shade for best foliage color) & moist well-drained acidic soils; native to US & Canada; Zones (3) 4 - 7					
suga canadensis 'Aurea' / 'Golden Splendor'		20 - 22'	B&B		_
Golden Canadian Hemlock		20 22	DQD		-
EVERGREEN ORNAMENTAL CONIFER; golden foliage; other than that, it's similar to the species,					
xcept it will grow a little slower; adelgid can be controlled by reducing stress with adequate moisture &					
s almost a non-factor on intermediate to dwarf cultivars; protect from winter winds in colder areas;					
ocate in full sun or full shade (partial shade for best foliage color) & moist well-drained acidic soils; native to US & Canada; Zones 5 - 7					

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	-
Tsuga canadensis 'Pendula'		7 - 8'	B&B		- N
STAKED					
Sargent Weeping Hemlock					
EVERGREEN ORNAMENTAL CONIFER; graceful wide-spreading evergreen; small foliage; adelgid car	1				
be controlled by reducing stress with adequate moisture & is almost a non-factor on intermediate to					
dwarf cultivars; protect from winter winds in colder areas; locate in full sun or full shade & moist					
well-drained acidic soils; native to US & Canada; Zones (3) 4 - 7					
Ulmus americana 'Jefferson'		2 - 2.5"c	B&B		-
American Elm		3 - 3.5"c	B&B		-
DECIDUOUS SHADE TREE; dark green persistent summer foliage turns yellow in fall; original plant or		3.5 - 4"c	B&B		- N
National Mall (DC) is broadly upright with arching branches to 70' tall by 50' wide at 70 years; tolerate.	S				
drought, air pollution & black walnuts; highly resistant to Dutch elm disease; locate in full sun or light					
shade & moist or wet to well-drained soil that's widely pH & salt tolerant; native to US & Canada					
(Townsend / NPS & USNA) Zones 4 - 7					
Ulmus americana 'New Harmony'		3 - 3.5"c	B&B		-
American Elm		4.5 - 5"c	B&B		-
DECIDUOUS SHADE TREE; upright habit with arching branches to 70' tall & wide at maturity; yellow		5 - 6"c	B&B		-
fall foliage; highly resistant to Dutch Elm disease, but not most other problems; tolerates drought, air					
pollution & black walnuts; locate in full sun or light shade & moist or wet to well-drained soil that's					
widely pH, salt & urban tolerant; native to US & Canada (Townsend & Schreiber / USNA) Zones 5 - 10					
Ulmus americana Prairie Expedition® ('Lewis & Clark)		5 - 6' stk	2g		_
American Elm					
DECIDUOUS SHADE TREE; dark green summer foliage turns yellow in fall; upright arching habit to					
about 60' tall by 40' wide; excellent lawn or shade tree; highly resistant to Dutch Elm disease & Elm					
aphid; tolerates air pollution & Black Walnut; locate in full sun or light shade & moist or wet to					
well-drained soil that's widely pH & salt adaptable; native to US & Canada (NDSU) Zones 3 - 9					
Ulmus americana 'Princeton'		6 - 7'	2g		-
American Elm		2 - 2.5"c	B&B		-
DECIDUOUS SHADE TREE; upright habit with arching branches to 60' tall & wide; yellow fall foliage;		2.5 - 3"c	B&B		-
excellent lawn or shade tree; highly resistant to Dutch Elm disease, but not most other problems;		3 - 3.5"c	B&B		-
tolerates drought, air pollution & black walnuts; locate in full sun or light shade & moist or wet to		3.5 - 4"c	B&B		- N
well-drained soil that's widely pH & salt tolerant; native to US & Canada (Princeton N) Zones 3 - 9		4 - 4.5"c	B&B		-
		4.5 - 5"c	B&B		-
		5 - 6"c	B&B		-
Ulmus americana 'Valley Forge'		2 - 2.5"c	B&B		-
American Elm		2.5 - 3"c	B&B		-
DECIDUOUS SHADE TREE; upright habit with arching branches to 25' tall by 30' wide at 12 years;		3 - 3.5"c	B&B		-
yellow fall foliage; excellent lawn or shade tree; highly resistant to Dutch Elm disease, but not most		3.5 - 4"c	B&B		-
other problems; tolerates drought, air pollution & black walnuts; locate in full sun or light shade & mois	t	4 - 4.5"c	B&B		-
or wet to well-drained soil that's widely pH & salt tolerant; native to US & Canada (Townsend &		4.5 - 5"c	B&B		-
Schreiber / USNA) Zones (4) 5 - 9					
Vaccinium angustifolium		10 - 12" spr	- 3g		-
Lowbush Blueberry					
DECIDUOUS FRUITING SHRUB; white flower in April; highly nutritious blue berries in mid-summer;					
blue-green summer foliage turns shades of red in fall; low spreading shrub to 2' tall; locate in full sun or					
partial shade & well-drained to dry acidic soil; adaptable to sterile coastal landscapes; Zones 2 - 5 (6)					

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	AVAIL.	SIZE	ROOTS	QNTY	_
/accinium corymbosum 'Blue Crop' Highbush Blueberry DECIDUOUS FRUITING SHRUB; midseason crop; 4-6' tall; bright red to purplish fall foliage; locate in full or partial sun & well-drained organic soil in the 5.0 acidic range with good moisture retention [V. porymbosum] Zones 3 - 7 (8)		18 - 24"	7g		-
/accinium corymbosum 'Jersey' Highbush Blueberry DECIDUOUS FRUITING SHRUB; late to midseason crop; 4-6' tall; bright red to purplish fall foliage; ocate in full to mostly sunny location (for best fruit production) & organic well-drained moisture retentive slightly acidic soil [V. corymbosum] Zones 3 - 7 (8)		18 - 24"	7g		- N
/iburnum x carlcephalum Fragrant Viburnum DECIDUOUS FLOWERING SHRUB; fragrant white flowers in early May; large bushy habit with large foliage that turns reddish in fall; locate in full to partial sun & neutral to acidic well-drained moisture retentive soil; Zones 5 - 7		30 - 36"	10g		- N
/iburnum dentatum Arrowwood Viburnum DECIDUOUS FLOWERING SHRUB; white flower in June; black fruit in fall; variable fall foliage of rellows & reds; upright to broadly upright habit to 15' tall; locate in full sun or moderate shade; prefers well-drained soil but is very adaptable including coastal locations; native to US & Canada; Zones (2) 3 - 3		24 - 30" 30 - 36" 4 - 5' 5 - 6'	5g 10g B&B B&B		- N - N
/iburnum nudum 'Winterthur' Smooth Witherod DECIDUOUS FLOWERING SHRUB; dark glossy foliage turns brilliant reddish-purple in fall; creamy white flowers in late May; fruit emerges white before turning pink, then red, then blue; locate in full sun o partial shade with moist well drained soil; drought tolerant; PHS Gold Metal; eastern US native; Zones 5 - 9		24 - 30" 30 - 36"	5g 15g		- N
/iburnum plicatum f. tomentosum 'Mariesii' Doublefile Viburnum DECIDUOUS FLOWERING SHRUB; horizontal spreading branches are covered by white flowers in May, followed by red fruit in summer that turns to black; grows to 8' tall by 12' wide; locate in full sun to ight shade & well-drained moisture retentive soil; native to eastern Asia; Zones 5 - 7 (8)		30 - 36" 4 - 5' 5 - 6' 6 - 7'	15g B&B B&B B&B		- - - N
/iburnum plicatum f. tomentosum 'Summer Snowflake' Compact Reblooming Double-file Viburnum DECIDUOUS FLOWERING SHRUB; sterile white flowers sporadically all summer; fall foliage is Durplish-red; compact habit to 5'; may be the same plant as 'Watanabei'; locate in full sun to light shade & well-drained moisture retentive soil; native to eastern Asia; Zone 5 - 7 (8)		24 - 30"	10g		-
/iburnum plicatum f. tomentosum 'Watanabei' Compact Reblooming Double-file Viburnum DECIDUOUS FLOWERING SHRUB; white lace-cap flowers from late spring into fall; fruit appears red before turning black; red fall foliage; compact upright habit to about 5' high & ultimately as wide; more compact than 'Summer Snowflake'; locate in full sun to light shade & well-drained moisture retentive foil; native to Japan; Zone 5 - 7 (8)		30 - 36"	15g		-
/iburnum x pragense Prague Viburnum EVERGREEN FLOWERING SHRUB; small narrow glossy leathery evergreen foliage; pink flower buds open white; bushy upright habit to 10' tall & nearly as wide; locate in full sun to light shade & vell-drained moisture retentive acidic soil; Zones 5 - 8		4 - 5' 5 - 6'	B&B B&B		- N

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	Ĺ
Viburnum rhytidophyllum		4 - 5'	B&B		-
_eatherleaf Viburnum		5 - 6'	B&B		-
EVERGREEN FLOWERING SHRUB; yellowish-white flowers in mid May; fruit opens red before					
maturing to black in fall; long narrow foliage is semi-evergreen in northern range - especially					
dependent on winter wind exposure; upright bushy habit to 15' tall & slightly narrower; locate in light to					
medium shade & well-drained moisture retentive acidic soil; native to China; Zones 5 - 7					
Viburnum rhytidophyllum 'Cree'		15 - 18"	5g		- N
Compact Leatherleaf Viburnum					
EVERGREEN FLOWERING SHRUB; yellowish-white flowers in mid May; fruit opens red before turning	7				
black; narrow foliage is semi-evergreen in northern range - especially dependent on winter wind exposure; compact habit to 8' high & wide; possibly more cold hardy than the species; locate in light to					
medium shade & well-drained moisture retentive acidic soil; native to China; Zones (4) 5 - 7					
Zelkova serrata 'Burgundy Vase'		2.5 - 3"c	B&B		_
Japanese Zelkova		3 - 3.5"c	B&B		-
DECIDUOUS SHADE TREE; dark green summer foliage turns burgundy in fall; upright arching heads		3.5 - 4"c	B&B		-
to about 50' tall by 35' wide; tolerant of urban conditions; locate in full sun or light shade & moist					
vell-drained soil of varying pH; PHS Gold Metal; Asian native; Zones (4) 5 - 8					
Zelkova serrata 'Green Vase'		2 - 2.5"c	B&B		_
lapanese Zelkova		5 - 6"c	B&B		- 1
SHADE TREE; vigorous upright spreading branches; orange to bronze fall foliage; locate in full sun or					
ight shade & moist well-drained soil of varying pH; tolerant of urban conditions; PHS Gold Metal;					
Asian native; Zones (4) 5 - 8					
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TANICAL NAME	A	AVAIL.	SIZE	ROOTS	QNT

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