

Shagbark Farm Plant List: Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Abies concolor Concolor Fir; White Fir <i>EVERGREEN CONIFER; long green to blue-green needles; moderate growing pyramidal habit to about 50' tall by 30' wide; deer browse resistant; tolerates heat and moderately & drier conditions better than most Abies; locate in full to mostly sunny locations & very well-drained organic neutral to slightly acidic moisture retentive soil; native to western North American mountains; Zones (3) 4 - 7 (8)</i>		8 - 10'	B&B		
Abies koreana 'Aurea' Golden Korean Fir <i>EVERGREEN ORNAMENTAL CONIFER; short butter yellow spring needles fade in intensity through the summer; upright purple cones in spring make a distinct contrast; medium sized bushy upright habit to about 3' tall & half as wide in 10 years; deer browse resistant; locate in full sun or minimal shade & very well-drained organic moisture retentive soil that's neutral to slightly acidic; Korean native; Zones (4) 5 - 7</i>		7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B		N
Abies koreana 'Horstman's Silberlocke' Variegated Korean Fir <i>EVERGREEN ORNAMENTAL CONIFER; up-twisting bluish-green needles with broad silvery stripes below that are very showy; upright purple cones in spring; pyramidal habit to about 5' tall by 3' wide in 10 years; side pruning helps form a lot; deer browse resistant; locate in full sun or minimal shade & very well-drained organic moisture retentive soil that's neutral to slightly acidic; Korean native; Zones (4) 5 - 7</i>		7 - 8' 8 - 9'	B&B B&B		N
Abies lasiocarpa var. arizonica 'Glauca' Blue Rocky Mountain Fir; Corkbark Fir <i>EVERGREEN CONIFER; irregular pyramid with silver-blue needles; lighter corky white to gray bark that's lighter than the species & deeply furrowed when mature; dark purple cones up to 4" long; should grow to about 6' tall in 10 years; deer browse resistant; locate in full to partial sun or afternoon shade & very well-drained slightly acidic moisture retentive soil; native to higher elevations of southwestern US; Zones 5 - 6 (7)</i>		7 - 8' 8 - 10'	B&B B&B		
Abies lasiocarpa var. arizonica 'Glauca Compacta' Compact Rocky Mountain Fir; Compact Corkbark Fir <i>EVERGREEN CONIFER; irregular pyramid with silver-blue needles; lighter corky white to gray bark that's lighter than the species & deeply furrowed when mature; dark purple cones up to 4" long; should grow to about 3' tall in 10 years; deer browse resistant; locate in full to partial sun or afternoon shade & very well-drained slightly acidic moisture retentive soil; native to higher elevations of southwestern US; Zones 5 - 6 (7)</i>		5 - 6' 6 - 7'	B&B B&B		N N
Acer x freemanii 'Armstrong' Columnar Freeman Maple <i>DECIDUOUS SHADE TREE; upright habit to 50' or more; weak reddish fall foliage; locate in full sun; adaptable to wet & well drained soils; US native; native US cross [A. rubrum x A. saccharinum] Zones 3 - 9</i>		2 - 2.5" 2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5" 4.5 - 5" 5 - 6"	B&B B&B B&B B&B B&B B&B B&B		N N
Acer griseum Paperbark Maple <i>DECIDUOUS ORNAMENTAL TREE; variable exfoliating cinnamon bark; green foliage turns to shades of red in the fall; grows to about 25' tall by 20' wide or larger; there is a single trunk to 3' or less; locate in full sun to partial shade; tolerates most soils with good to moderate drainage; PHS Gold Metal; native of China; Zones 5 - 7</i>		BRANCHED @ 4-5'	2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5" 4.5 - 5" 5 - 6" 6 - 7" 7 - 8" 8 - 9" 10 - 12"	B&B B&B B&B B&B B&B B&B B&B B&B B&B	N N N N N N N N N

13 Decision Way West
 Washington Crossing, PA 18977-1125
 www.phintuthill.com

represented by:

phone: (215) 321-4545
 fax: (267) 397-2076
 email: Phin@RPTuthill.com

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Acer griseum Paperbark Maple <i>DECIDUOUS ORNAMENTAL TREE; inconspicuous yellowish spring flower yields approx. 2" long samaras; showy exfoliating bark is usually cinnamon to orange; green summer foliage usually turns shades of red in the fall; variable growth & branching reaching to about 25' tall & wide; branching starts at the ground & sometimes with multiple main trunks; tolerates alkaline & clay soil; not drought tolerant; locate in full sun to partial shade (preferred) & most soils with good to moderate drainage; PHS Gold Metal; Chinese native; Zones 4 - 8</i>		2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5" 4.5 - 5" 5 - 6" 6 - 7" 7 - 8" 8 - 9" 10 - 12"	B&B B&B B&B B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____	N N N N N N N N N N
Acer platanoides 'Drummondii' Variegated Norway Maple <i>DECIDUOUS SHADE TREE; spring foliage everges with a distinct & showy creamy yellow margin around the green center; mature summer foliage loses the contrast; foliage turns yellow in fall; yellow flowers before the foliage yield to light green samaras in early summer; can be invasive; compact rounded head reaching about 35' tall & 30' wide; shallow root system and dense shade makes under-planting difficult for many plants; locate in full sun to partial shade & any soil with adequate drainage; European native; Zones (3) 4 - 7</i>		6 - 7" 7 - 8"	B&B B&B	_____ _____	
Acer rubrum Red Sunset ('Franksred') Red Maple; Swamp Maple <i>DECIDUOUS SHADE TREE; pyramidal to rounded head; grows to 50' tall; showy orange to red fall foliage; locate in full sun; adaptable to wet & well drained soils; US native; not as drought tolerant as most other cultivars (Schmidt) Zones 4 - 9</i>		2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5" 4.5 - 5" 5 - 6"	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N
Acer saccharum 'Commemoration' Sugar Maple <i>DECIDUOUS SHADE TREE; fast grower with oval to rounded head; grows to about 50'; thick green foliage resists leaf tatter and turns brilliant red to orange to yellow in fall; locate in full sun to partial shade with room to develop & well drained organic soil; not tolerant of compacted soils, deicing salt or reflected heat; US native; Zones 4 - 8</i>		3 - 3.5" 3.5 - 4"	B&B B&B	_____ _____	N N
Acer saccharum Fall Fiesta® ('Bailsta') Sugar Maple <i>DECIDUOUS SHADE TREE; thick glossy green summer foliage resists leaf tatter & leafhopper damage; fall foliage is more red & orange than most other cultivars; rapid upright grower to about 60' tall by 50' wide; 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 (Bailey) Zones 4 - 7</i>		3 - 3.5" 3.5 - 4" 4 - 4.5"	B&B B&B B&B	_____ _____ _____	N N N
Acer saccharum 'Green Mountain' Sugar Maple <i>DECIDUOUS SHADE TREE; oval to rounded head; can grow to 70'; thick green foliage resists scorch & leaf tatter; variable yellow to orange to red fall foliage; very heat resistant cultivar; locate in full sun to partial shade with room to develop & well drained organic soil; not tolerant of compacted soils, deicing salt or reflected heat; may be a cross with A. nigrum; US native (Flemer) Zones 4 - 8</i>		4 - 4.5" 4.5 - 5" 5 - 6"	B&B B&B B&B	_____ _____ _____	N N N
Acer triflorum Three-flower Maple <i>DECIDUOUS SHADE TREE; medium sized shade tree; slow grower to about 35' with a rounded head; dark green summer foliage turns shades of red & orange in late October; tan bark exfoliates in vertical strips; pest resistant; likes moist, acidic, well-drained soil; Asian native; Zones (4) 5 - 7</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N N

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Aesculus x arnoldiana 'Autumn Splendor' Hybrid Buckeye <i>SHADE TREE; large creamy-white pyramidal flower panicles in spring; fruit is ornamentally insignificant; glossy dark green summer foliage turns beautiful orange-crimson in fall; upright oval habit to about 35' tall by 30' wide; locate in full or partial sun & well-drained moisture retentive soil (U of MN) Zones (3) 4 - 8</i>		2.5 - 3" 4 - 4.5" 4.5 - 5" 5 - 5.5"	B&B B&B B&B B&B	_____ _____ _____ _____	N N N
Aesculus x carnea 'Briotii' Red Buckeye; Red Horsechestnut <i>ORNAMENTAL TREE; 10â€ dark red flower panicles; upright rounded habit to about 35'; resistant to the blotch and mildew; branching begins at or very close to the ground; locate in full sun to partial shade with well drained organic soil; pH adaptable [A. pavia x A. hippocastanum] Zones 4 - 7</i>		2.5 - 3" 3 - 3.5" 4 - 4.5"	B&B B&B B&B	_____ _____ _____	N
Aesculus octandra <i>see: Aesculus flava</i>				_____	
Aesculus parviflora Bottlebrush Buckeye <i>DECIDUOUS FLOWERING SHRUB; white flowers in early summer; shrubby wide-spreading habit to 10' high by 12' to 15' spread; best in full sun and rich organic slightly acidic soils that drain well; PHS Gold Metal; southeast US native; Zones 4 - 8 (9)</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N N N
Aesculus pavia BUSH Red Buckeye; Red Horsechestnut <i>DECIDUOUS FLOWERING SHRUB; large bush or small tree to about 15' tall & wide; red flowers in late April or early March; branching starts at or very near the ground; best in partial shade and rich organic slightly acidic soils that drain well; PHS Gold Metal; southeast US native; Zones 4 - 8</i>		10 - 12'	B&B	_____	N
Amelanchier x grandiflora 'Autumn Brilliance' BUSH Apple Serviceberry <i>DECIDUOUS ORNAMENTAL TREE; bushy upright habit to 25'; white spring flowers; blue-black edible fruit; foliage is resistant to leaf spot and turns variable shades of orange in fall; branching starts at or near the ground; best in full sun to partial shade & moist well-drained acidic soil; native US cross [A. arborea x A. laevis] (Wandell) Zones 4 - 9</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N N N
Betula Jacquemontii <i>see: Betula utilis var. Jacquemontii</i>				_____	
Betula nigra Heritage ('Cully') CLUMP River Birch <i>DECIDUOUS ORNAMENTAL TREE; 3 or more main trunks; broadly pyramidal heads; grows to 40' or more; off-white exfoliating bark; golden fall foliage; bronze birch borer resistant; locate in full sun or minimal shade; tolerant of a wide range of soils especially wet; PHS Gold Metal; US native; Zones 4 - 8</i>		8 - 10' 10 - 12' 12 - 14' 14 - 16'	B&B B&B B&B B&B	_____ _____ _____ _____	N N N
Betula papyrifera CLUMP Paper Birch; Canoe Birch <i>DECIDUOUS ORNAMENTAL TREE; broadly pyramidal heads; upright habit to about 50' tall by 50' or more wide; white peeling bark with black areas under side branches; clear yellow fall foliage; locate in full sun or partial shade & moisture retentive soil that's not boggy; native to northern US & Canada; Zones 2 - 6</i>		8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B	_____ _____ _____	

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Betula papyrifera		2 - 2.5" c 2.5 - 3" c 4 - 4.5" c	B&B B&B B&B	_____ _____ _____	N
TREE FORM					
Paper Birch; Canoe Birch <i>DECIDUOUS ORNAMENTAL TREE; broadly pyramidal heads; upright habit to as much as 70' tall by 50' wide; white peeling bark with black areas under side branches; clear yellow fall foliage; locate in full sun or partial shade & moisture retentive soil that's not boggy; native to northern US & Canada; Zones 2 - 6</i>					
Betula papyrifera Renaissance Oasis ('Oenci')		8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B	_____ _____ _____	N
CLUMP					
Paper Birch; Canoe Birch <i>DECIDUOUS ORNAMENTAL TREE; broadly pyramidal to oval heads; upright habit to about 50' tall by 30' wide at maturity; mahogany accentuated exfoliating bark reveals very white peeling bark at an earlier age than the species; dark green summer foliage turns yellow in fall; resists bronze birch borer; improved heat & drought resistance & pH tolerance; locate in full sun or partial shade & moisture retentive soil that's not boggy; native to northern US & Canada; Zones 3 - 7</i>					
Betula papyrifera Renaissance Reflection ® ('Renci')		8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B	_____ _____ _____	N
CLUMP					
Paper Birch; Canoe Birch <i>DECIDUOUS ORNAMENTAL TREE; broadly pyramidal heads; upright habit to about 50' tall by 50' or more wide; white peeling bark with black areas under side branches; clear yellow fall foliage; locate in full sun or partial shade & moisture retentive soil that's not boggy; native to northern US & Canada; more heat resistant than the species; Zones 3 - 7</i>					
Betula papyrifera Renaissance Reflection ® ('Renci')		2.5 - 3" c	B&B	_____	N
TREE FORM					
Paper Birch; Canoe Birch <i>DECIDUOUS ORNAMENTAL TREE; broadly pyramidal heads; upright habit to as much as 70' tall by 50' wide; white peeling bark with black areas under side branches; clear yellow fall foliage; locate in full sun or partial shade & moisture retentive soil that's not boggy; native to northern US & Canada; more heat resistant than the species; Zones 3 - 7</i>					
Betula populifolia 'Whitespire'		8 - 10' 10 - 12' 12 - 14' 14 - 16'	B&B B&B B&B B&B	_____ _____ _____ _____	N N N N
CLUMP					
Gray Birch <i>DECIDUOUS ORNAMENTAL TREE; long pointed dark green summer foliage turns brown in fall; non-exfoliating white bark at maturity; irregular upright habit to about 40' tall by 20' wide; improved resistance to heat & bronze birch borer; originally thought to be a cultivar of B. platyphylla; fall dig hazard; locate in full sun to partial shade & well-drained moisture retentive soil; native to northeastern US; Zones 2 - 7</i>					
Betula populifolia 'Whitespire'		2.5 - 3" c	B&B	_____	N
TREE FORM					
Gray Birch <i>DECIDUOUS ORNAMENTAL TREE; long pointed dark green summer foliage turns brown in fall; non-exfoliating white bark at maturity; irregular upright habit to about 40' tall by 20' wide; improved resistance to heat & bronze birch borer; originally thought to be a cultivar of B. platyphylla; fall dig hazard; locate in full sun to partial shade & well-drained moisture retentive soil; native to northeastern US; Zones 2 - 7</i>					
Betula utilis var. jacquemontii		8 - 10' 10 - 12' 12 - 14' 14 - 16' 16 - 18' 18 - 20'	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N
CLUMP					
Whitebarked Himalayan Birch <i>DECIDUOUS ORNAMENTAL TREE; very white bark appears at an early age; pyramidal to oval heads; mature height is about 40' tall by 25' wide; dark green summer foliage turns yellowish in the fall; be aware of borers and Japanese Beetles; locate in full sun to minimal shade & well-drained moisture retentive soil; not tolerant of drought or areas with warm summer nights; native to western Himalayas; Zones 5 - 6 (7)</i>					

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Betula utilis var. jacquemontii Whitebarked Himalayan Birch <i>DECIDUOUS ORNAMENTAL TREE; very white bark appears at an early age; pyramidal to oval heads; mature height is about 40' tall by 25' wide; dark green summer foliage turns yellowish in the fall; be aware of borers and Japanese Beetles; locate in full sun to minimal shade & well-drained moisture retentive soil; not tolerant of drought or areas with warm summer nights; native to western Himalayas; Zones 5 - 6 (7)</i>	TREE FORM	2 - 2.5" c 2.5 - 3" c 3 - 3.5" c 3.5 - 4" c	B&B B&B B&B B&B	_____ _____ _____ _____	N N N
Carpinus betulus 'Fastigiata' Columnar European Hornbeam <i>DECIDUOUS ORNAMENTAL TREE; narrow upright habit to 35' widens with age (like the rest of us); yellowish fall foliage; branching starts at or very close to the ground; locate in full sun to part shade; tolerant of any soil if well-drained; native to Europe & Asia Minor; Zones 5 - 8</i>	LOW BRANCHED	2.5 - 3" c 3 - 3.5" c 3.5 - 4" c	B&B B&B B&B	_____ _____ _____	N
Carpinus caroliniana American Hornbeam; Ironwood; Musclewood <i>DECIDUOUS SHADE TREE; compact rounded heads; slow grower to about 25'; yellow to bright orange fall foliage; smooth irregularly fluted gray bark; locate in full sun or full shade; very adaptable to many soil conditions including urban locations; US native; Zones 3 - 9</i>	LOW BRANCHED	2 - 2.5" c 2.5 - 3" c 3 - 3.5" c	B&B B&B B&B	_____ _____ _____	N
Carya ovata Shagbark Hickory <i>DECIDUOUS SHADE TREE; large upright habit with oval head to about 80' tall by 60' wide; compound medium green summer foliage turns yellow to golden-brown in fall; nuts encased in green husks mature in the fall; ornamental peeling dark gray bark on mature trunks; difficult to harvest due to deep tap root; locate in full sun to partial shade & just about any soil situation that drains; native to eastern North America; Zones 4 - 8</i>		2 - 2.5" c 2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	
Catalpa speciosa Northern Catalpa <i>DECIDUOUS SHADE TREE; 2" white flowers in large upright panicles in late May or early June; long narrow brown seed pods in fall; heart-shaped green summer foliage turns yellowish-green in fall; rapid growing upright habit to about 60' tall by 40' wide or more; locate in sun or partial shade & just about any soil with reasonable drainage; native to central US; Zones 4 - 8 (9)</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 5 - 6" c 6 - 7" c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N
Celtis occidentalis Common Hackberry <i>DECIDUOUS SHADE TREE; pyramidal headed shade tree growing to 50' tall and about as wide; yellow 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)</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 6 - 7" c 7 - 8" c 8 - 9" c 13 - 14" c	B&B B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____ _____	N N
Cercidiphyllum japonicum Katsura Tree <i>DECIDUOUS SHADE TREE; upright grower to 50' & half as wide; blue-green foliage in summer turns yellow to soft orange in fall; locate in full sun & well-drained moisture retentive soil; not drought tolerant; native to Japan & China; Zones 4 - 8</i>		2 - 2.5" c 3 - 3.5" c	B&B B&B	_____ _____	N N

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Cercis canadensis Eastern Redbud <i>DECIDUOUS ORNAMENTAL TREE; bright lavender-pink blooms along all the branches in April; spring 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 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</i>	BUSH	8 - 10' 10 - 12'	B&B B&B	_____ _____	
Cercis canadensis Eastern Redbud <i>DECIDUOUS ORNAMENTAL TREE; bright lavender-pink blooms along all the branches in April; wide spreading heads; yellowish fall foliage; branching starts about 3' to 6' above the ground from a single stem; locate in full sun or partial shade with any well-drained soil; US native; Zones 4 - 9</i>	TREE FORM	2 - 2.5" 2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5"	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N N N N N
Cercis canadensis f. alba 'Royal White' White Eastern Redbud <i>DECIDUOUS ORNAMENTAL TREE; profuse white flowers which are larger and appear just prior to C. c. Alba; from the U of Illinois and considered one of the hardiest Redbuds; resistant to Black Walnut; locate in full sun or partial shade with any well-drained soil; US native; Zones 4 - 9</i>	BUSH	8 - 10' 10 - 12'	B&B B&B	_____ _____	
Cercis canadensis f. alba 'Royal White' White Eastern Redbud <i>DECIDUOUS ORNAMENTAL TREE; profuse white flowers which are larger and appear just prior to C. c. Alba; from the U of Illinois and considered one of the hardiest Redbuds; resistant to Black Walnut; locate in full sun or partial shade with any well-drained soil; US native; Zones 4 - 9</i>	TREE FORM	2 - 2.5" 2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5"	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N N N N N
Chamaecyparis nootkatensis 'Glauca' Blue Alaskan Cedar <i>EVERGREEN ORNAMENTAL CONIFER; flattened sprays of blue-green foliage; bushy pyramidal habit with a central leader to about 15' tall by 6' wide in 10 years; wider at the base relative to height with maturity; locate in full sun or partial shade & deep organic well-drained moisture retentive soil; northwestern US native [Genus renamed: Callitropsis] Zones 4 - 7 (8)</i>		10 - 12' 12 - 14' 14 - 16' 16 - 18'	B&B B&B B&B B&B	_____ _____ _____ _____	N N N N
Chamaecyparis nootkatensis 'Pendula' Weeping Alaskan Cedar <i>EVERGREEN ORNAMENTAL CONIFER; upright pyramidal habit with pendulous secondary branches; graceful pyramidal shape; profile; best located in full sun with deep organic well-drained moisture retentive soil; native to northwestern US; Zones 4 - 7 (8)</i>		8 - 10' 12 - 14' 14 - 16' 16 - 18' 18 - 20' 20 - 22'	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N
Chamaecyparis pisifera aurea Golden Sawara Cypress		6 - 7' 7 - 8' 8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	
Chamaecyparis pisifera 'Filifera 'Aurea' Gold Threadbranch Cypress <i>EVERGREEN ORNAMENTAL CONIFER; pendulous golden thread-like foliage at the outer edge of the plant; inner foliage is green; 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</i>		5 - 6'	B&B	_____	N

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Chionanthus virginicus White Fringetree <i>DECIDUOUS ORNAMENTAL TREE; fragrant creamy white fringe-like flowers in May; shrubby upright habit to about 20' tall & wide; branching starts at the ground; 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</i>	BUSH	6 - 7' 7 - 8'	B&B B&B	_____ _____	
Chionanthus virginicus White Fringetree <i>DECIDUOUS ORNAMENTAL TREE; lightly fragrant creamy white fringe-like flowers in May or early June; some flowers are perfect others are male or female; dark bluish-black fruit in late summer from female flowers attract birds; dark green summer foliage turns yellowish in fall; winter bark can have red furrows; bushy broadly upright habit to about 20' tall & wide; these plants are trained with a single trunk to about 3' or more; tolerates Black Locust & pollution; locate in full sun to partial shade & most well-drained moisture retentive soils; eastern US native; Zones (3) 4 - 9</i>	TREE FORM	2 - 2.5" 2.5 - 3"	B&B B&B	_____ _____	N N
Cladrastis kentuckia American Yellowwood <i>DECIDUOUS SHADE TREE; upright habit to 50' or more with a broader spread when mature; fragrant 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; formerly named C. lutea; US native; Zones (3) 4 - 8</i>		2 - 2.5" 2.5 - 3" 3 - 3.5" 3.5 - 4" 4 - 4.5"	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Cornus alba 'Argenteo-marginata' / 'Elegantissima' Variegated Red-twig Dogwood; Variegated Tartarian Dogwood <i>DECIDUOUS FLOWERING SHRUB; lightly fragrant creamy-white flower clusters from late May into June; clusters of white fruit in summer that birds love; white margined summer foliage; bright red stems on new wood in winter; upright habit with minimal side branching to 8' tall; locate in full sun to partial shade & moisture retentive well-drained soil; northeastern Asian native; Zones 3 - 6 (7)</i>		4 - 5' 5 - 6'	B&B B&B	_____ _____	N N
Cornus alba Ivory Halo ('Bailhalo') Variegated Red-twig Dogwood <i>DECIDUOUS FLOWERING SHRUB; lightly fragrant creamy-white flower clusters from late May into June; clusters of white fruit in summer that birds love; narrow white edges surround medium green leaves; fall color is purplish; young winter twigs are bright red; bushy habit to 6' tall & wide; locate in full sun to partial shade & moisture retentive well-drained soil; northeastern Asian native (Bailey) Zones 3 - 6 (7)</i>		3 - 4'	B&B	_____	
Cornus alternifolia Pagoda Dogwood <i>DECIDUOUS ORNAMENTAL TREE; extremely fragrant yellowish-white flat-topped cymes in late May; small fruit appears in late July that transitions from green to red to bluish-black; wide spreading horizontal habit to 25' tall by 40' wide; dark green summer foliage turns reddish in fall; locate in partial shade & well-drained acidic soil; US native; Zones 3 - 7</i>	BUSH	5 - 6' 6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B B&B	_____ _____ _____ _____	
Cornus mas Corneliancherry Dogwood <i>DECIDUOUS ORNAMENTAL TREE; yellow flowers in March; bright red oval edible but sour fruit in July; exfoliating gray to brown bark; broadly upright habit to about 20' tall & wide; branching starts at ground level; locate in full sun to partial shade & organic moisture retentive well-drained soil; native to Europe & Asia; Zones 4 - 7</i>	BUSH	6 - 7' 7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B B&B	_____ _____ _____ _____	

Shagbark Farm Plant List: Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Cornus mas 'Golden Glory' Corneliancherry Dogwood <i>DECIDUOUS ORNAMENTAL TREE; yellow flowers in March; bright red fruit in July; exfoliating gray to brown bark; grows to about 20' tall; slower & more upright habit than the species, and usually more floriferous; branching starts at ground level; locate in full sun to partial shade with any well drained organic soil; native to Europe & western Asia; Zones 4 - 7</i>		7 - 8' 8 - 10'	B&B B&B	_____ _____	N N
Cornus sericea 'Baileyi' Redtwig Dogwood; Redosier Dogwood <i>DECIDUOUS FLOWERING SHRUB; clusters of fairly insignificant creamy flowers in early summer; creamy fruit clusters in late summer; purple-red fall foliage; bright red young stems in the winter; cut away older stems to maximize red effect; broadly upright habit to about 8' tall by 10' wide; spreads by stolons; locate in full sun to partial shade & any organic boggy to moderately draining soil; formerly C. stolonifera; genera recently changed to Swida; US native; Zones 2 - 7</i>		4 - 5' 5 - 6'	B&B B&B	_____ _____	N N
Crataegus crus-galli var. inermis Crusader ('Cruzam') Thornless Cockspur Hawthorn <i>DECIDUOUS ORNAMENTAL TREE; white flowers in May; 1/2" red fruit from late September through fall; no thorns; glossy dark green summer foliage turns purplish-red in fall; broadly spreading heads; mature sizes range from 30' high by 35' wide; locate in full sun & any well drained soil; adapts to coastal locations; native to US & Canada; Zones 4 - 6 (7)</i>		2 - 2.5'c	B&B	_____	N
Crataegus viridis 'Winter King' Green Hawthorn <i>DECIDUOUS ORNAMENTAL TREE; white flowers in May; persistent red fruit from early fall through early winter; prominent thorns; light gray bark; glossy summer foliage turns scarlet in fall; locate in full sun & any well drained soil; PHS Gold Metal; US native; Zones 4 - 7</i>		2 - 2.5'c 2.5 - 3'c	B&B B&B	_____ _____	N
Fagus grandifolia LOW BRANCHED American Beech <i>DECIDUOUS SHADE TREE; large wide-spreading tree to about 70' tall & wide (if given space); 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 retained foliage all winter; forest climax tree; beechnuts are an important wildlife food; locate in sun or shade with well-drained organic slightly acidic soils; not tolerant of urban conditions or compacted soils; US native; Zones 4 - 9</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 6 - 7'c	B&B B&B B&B B&B B&B b	_____ _____ _____ _____ _____ _____	N
Fagus sylvatica LOW BRANCHED European Beech <i>SHADE TREE; large broadly pyramidal tree to 60'; dark glossy green foliage turns reddish-bronze in fall and is usually retained for much of the winter; smooth medium gray bark; surface rooted; locate in sun or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones (4) 5 - 7</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 4.5 - 5'c 5 - 6'c 6 - 7'c	B&B B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____ _____	N N
Fagus sylvatica 'Asplenifolia' LOW BRANCHED Fernleaf European Beech <i>DECIDUOUS ORNAMENTAL TREE; broadly upright habit to 40' or more; bright green serrated foliage provides the common name; coppery fall foliage that is retained into the winter; locate in sun or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 4.5 - 5'c 5 - 6'c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N

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Washington Crossing, PA 18977-1125
www.phintuthill.com

represented by:

phone: (215) 321-4545
fax: (267) 397-2076
email: Phin@RPTuthill.com

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Fagus sylvatica 'Dawyck' LOW BRANCHED Columnar European Beech <i>DECIDUOUS ORNAMENTAL TREE; dense fastigate profile; green foliage; can become tall (to 80' or more), but is relatively slow growing and stays very narrow; excellent accent plant; selected seedling from Trompenburg Arboretum; locate in sun or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2.5 - 3" c	B&B	_____	N
		3 - 3.5" c	B&B	_____	N
		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	
		5 - 6" c	B&B	_____	
		6 - 7" c	B&B	_____	N
Fagus sylvatica 'Dawyck Purple' LOW BRANCHED Columnar Purple European Beech <i>DECIDUOUS ORNAMENTAL TREE; very narrow profile; retains the purple foliage all summer; selected seedling from Trompenburg Arboretum; locate in sun (to enhance foliage color) or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2 - 2.5" c	B&B	_____	N
		2.5 - 3" c	B&B	_____	
		3 - 3.5" c	B&B	_____	
		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	
		4.5 - 5" c	B&B	_____	
Fagus sylvatica 'Fastigiata' LOW BRANCHED Columnar European Beech <i>DECIDUOUS ORNAMENTAL TREE; dense columnar profile; green foliage; can become tall (to 80' or more), but is relatively slow growing and stays very narrow; excellent accent plant; locate in sun or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	
		4.5 - 5" c	B&B	_____	
		5 - 6" c	B&B	_____	
		6 - 7" c	B&B	_____	
Fagus sylvatica 'Pendula' LOW BRANCHED Weeping European Beech <i>DECIDUOUS ORNAMENTAL TREE; bright green foliage; rapid upright spreading habit that makes unique and interesting irregular pyramids; no two are alike; locate in sun or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		3 - 3.5" c	B&B	_____	
		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	
		4.5 - 5" c	B&B	_____	
		5 - 6" c	B&B	_____	N
Fagus sylvatica 'Purple Fountain' LOW BRANCHED Weeping Purple European Beech <i>DECIDUOUS ORNAMENTAL TREE; dark purple spring foliage looses intensity in summer; upright pyramidal habit that usually has a dominant single leader; some develop into fairly narrow irregular pyramids while others are quite broad at the base; locate in sun (to enhance foliage color) or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2 - 2.5" c	B&B	_____	N
		2.5 - 3" c	B&B	_____	
		3 - 3.5" c	B&B	_____	
		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	N
Fagus sylvatica 'Red Obelisk' LOW BRANCHED Columnar Purple European Beech <i>DECIDUOUS ORNAMENTAL TREE; narrow columnar habit with slightly dissected dark purple foliage; can reach 50' or more; locate in sun (to enhance foliage color) or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		4 - 4.5" c	B&B	_____	N
		4.5 - 5" c	B&B	_____	N
		5 - 6" c	B&B	_____	N
		6 - 7" c	B&B	_____	N
Fagus sylvatica 'Riversii' LOW BRANCHED Purple European Beech <i>DECIDUOUS ORNAMENTAL TREE; new foliage is very dark purple which becomes greenish purple by mid summer; upright somewhat open habit when young; becomes a large (50'+) wide-spreading tree when mature; locate in sun (to enhance foliage color) or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2.5 - 3" c	B&B	_____	
		3 - 3.5" c	B&B	_____	
		3.5 - 4" c	B&B	_____	
		4 - 4.5" c	B&B	_____	N
		4.5 - 5" c	B&B	_____	N
		5 - 6" c	B&B	_____	N

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Fagus sylvatica 'Roseo-marginata' Tricolor European Beech <i>DECIDUOUS ORNAMENTAL TREE; dazzling pink, purple & white new foliage matures to purple with white margins; slow upright grower that gets large over time; often listed as 'Tricolor' which is probably a lost species that has whiter foliage; locate in sun (to enhance foliage color) or shade with well-drained organic soils; not tolerant of urban conditions or compacted soils; European native; Zones 4 - 7</i>		2 - 2.5'c 2.5 - 3'c	B&B B&B	_____ _____ _____	N
LOW BRANCHED					
Ginkgo biloba 'Autumn Gold' Ginkgo; Maidenhair Tree <i>DECIDUOUS CONIFER; a male selection; upright head to 45' tall by 35' or more wide; clear golden-yellow fall foliage; highly resistant to pests & diseases; not as hardy as other cultivars; very tolerant of urban & coastal conditions; locate in full sun & any soil that drains; Chinese native; Zones (6) 7 - 8 (9)</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 4.5 - 5'c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Ginkgo biloba 'Magyar' Ginkgo; Maidenhair Tree <i>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)</i>		2.5 - 3'c 3 - 3.5'c 4 - 4.5'c 5 - 6'c 6 - 7'c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Ginkgo biloba 'Pendula' Weeping Ginkgo; Weeping Maidenhair Tree <i>DECIDUOUS ORNAMENTAL CONIFER; these are more horizontal than weeping; each plant is a little different; 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)</i>		6 - 7'c 7 - 8'c 8 - 9'c 9 - 10'c	B&B B&B B&B B&B	_____ _____ _____ _____	
Ginkgo biloba Princeton Sentry ('PNI2720') Columnar Ginkgo; Columnar Maidenhair Tree <i>DECIDUOUS CONIFER; columnar habit; male clone; to 60' x 25' wide; golden fall foliage; highly resistant to pests & diseases; locate in full sun & any soil that drains; very tolerant of urban & coastal conditions; China (Flemer) Zones 4 - 8 (9)</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 4.5 - 5'c 5 - 6'c 14 - 15'c	B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____	N N N N N N N
Gleditsia triacanthos f. inermis 'Shademaster' Thornless Honeylocust <i>DECIDUOUS SHADE TREE; upright open spreading habit with age; small dark green compound foliage turns golden in fall and casts a light dappled shade; seedless; locate in full sun; prefers moist neutral to alkaline soils, but is very adaptable; very tolerant of urban conditions including soil compaction & salt; US native; (Flemer) Zones 4 - 9</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c	B&B B&B B&B	_____ _____ _____	N N N
Gymnocladus dioicus Kentucky Coffeetree <i>DECIDUOUS SHADE TREE; large grower to 75' tall by 50' wide; bold open habit in winter that's masked by the doubly compound summer foliage; locate in full sun & moist organic soil, but adapts high pH, drought & urban situations; Zones (3) 4 - 8</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 5 - 6'c 6 - 7'c 8 - 9'c 10 - 12'c	B&B B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____ _____	N
Hamamelis vernalis Vernal Witchhazel; Ozark Witchhazel <i>DECIDUOUS FLOWERING SHRUB; usually very fragrant narrow ribbon-like yellow to red flowers from late January into early March; dark green summer foliage turns yellow in fall; broadly upright habit to about 8' tall & wider; branches can arch downward & root to create broad colonies; deer browse resistant; locate in full sun to moderate shade & most soils including moist & poorly drained; central & southern US native; Zones (4) 5 - 8</i>		4 - 5' 5 - 6' 6 - 7'	B&B B&B B&B	_____ _____ _____	

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Hamamelis virginiana Common Witchhazel <i>DECIDUOUS FLOWERING SHRUB; fragrant narrow ribbon-like yellow flowers from mid to late fall which is usually hidden by foliage; fall foliage turns shades of yellow before turning brown which is often retained through winter; upright spreading habit to about 15' or more tall & wide; tolerant of deer browse, clay soils & urban situations; locate in sun or shade & moisture retentive well-drained neutral to acidic soil; US native; Zones (3) 4 - 8</i>		4 - 5' 5 - 6' 6 - 7'	B&B B&B B&B	_____ _____ _____	
Heptacodium miconioides Seven-son Flower <i>DECIDUOUS ORNAMENTAL SHRUB; fragrant creamy white flowers open in August and remain into September; green fruit follows that turns rose-purple & is effective for 2 to 3 weeks; irregular loose upright habit to 10' or more; tan exfoliating bark gives winter interest; locate in full sun to partial shade & organic moisture retentive well-drained acidic soil; Chinese native; Zones 5 - 8</i>		7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B	_____ _____ _____	N
Hydrangea paniculata 'Grandiflora' PeeGee Late Panicle Hydrangea <i>DECIDUOUS FLOWERING SHRUB; large white sterile flowers from mid-summer into fall on new wood; dark green foliage; spreading habit to about 20' tall by 15' wide at maturity; branching starts at about 3-4' above the ground from a single trunk; locate in full sun to partial or afternoon shade (especially in southern range); soil needs to be well-drained, but with good moisture retention; Asian native; Zones 4 - 9</i>	TREE FORM	1.5 - 2" 2 - 2.5"	B&B B&B	_____ _____	N
Hydrangea paniculata 'Limelight' Late Panicle Hydrangea <i>DECIDUOUS FLOWERING SHRUB; bright greenish-white flowers in late summer on new wood; dark green foliage; spreading habit to about 8' tall & wide at maturity; branching starts at about 3-4' above the ground from a single trunk; locate in full sun to partial or afternoon shade (especially in southern range); soil needs to be well-drained, but with good moisture retention; PHS Gold Metal; Asian native (PW) Zones 4 - 9</i>	TREE FORM	1.5 - 2" 2 - 2.5"	B&B B&B	_____ _____	N
Hydrangea paniculata 'Tardiva' Late Panicle Hydrangea <i>DECIDUOUS FLOWERING SHRUB; upright white flowers from late summer into early fall in late summer on new wood; dark green summer foliage; spreading habit to about 10' or more tall & wide at maturity; branching starts at about 3-4' above the ground from a single trunk; locate in full sun to partial or afternoon shade (especially in southern range); soil needs to be well-drained, but with good moisture retention; Asian native; Zones 4 - 9</i>	TREE FORM	2 - 2.5"	B&B	_____	N
Ilex opaca American Holly <i>BROADLEAF EVERGREEN TREE; lightly fragrant white flowers in May; persistent bright red fruit clusters on female plants appear in October; spiny medium to dark green foliage; loosely pyramidal habit to about 25' tall by 15' wide; seedling plants can vary a lot; 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 - 9</i>		7 - 8' 8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B B&B	_____ _____ _____ _____	N N N N
Ilex verticillata 'Afterglow' Winterberry Holly <i>DECIDUOUS ORNAMENTAL SHRUB; profuse amounts of bright red fruit through the winter; purple fall foliage; bushy habit to about 6' tall & wide; 'Jim Dandy' is recommended pollinator; 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</i>		7 - 8' 8 - 10'	B&B B&B	_____ _____	N N

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Ilex verticillata 'Sparkleberry' Female Winterberry Holly <i>DECIDUOUS ORNAMENTAL SHRUB; brilliant red fruit persists into March; upright habit to 15'; pollinated by 'Southern Gentleman'; 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; PHS Gold Metal; Zones 3 - 9</i>		4 - 5' 5 - 6' 6 - 7'	B&B B&B B&B	_____ _____ _____	N
Ilex verticillata 'Winter Red' Winterberry Holly <i>DECIDUOUS ORNAMENTAL SHRUB; upright rounded habit to 8'; large persistent profuse bright red fruit; pollinated by 'Southern Gentleman'; 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; PHS Gold Metal; Zones 3 - 9</i>		4 - 5' 5 - 6' 6 - 7'	B&B B&B B&B	_____ _____ _____	
Juglans nigra Black Walnut <i>DECIDUOUS SHADE TREE; compound green summer foliage turns an undistinguished yellowish in fall; nuts are a good food source for wildlife; broadly upright habit to as much as 100' tall; wood is highly valued for furniture; locate in full to mostly sunny areas & organic well-drained moisture retentive soil; native to the eastern half of the US; Zones 4 - 9</i>		6 - 7" 10 - 11" c	B&B B&B	_____ _____	N
Juniperus chinensis 'Mountbatten' Pyramidal chinese Juniper <i>EVERGREEN ORNAMENTAL CONIFER; broadly pyramidal habit to about 12' tall by 8' wide in 10 years; powder-blue berries from mid-summer into winter; sharp gray-green scale-like foliage; tolerant of drought & coastal conditions; locate in full sun & most well-drained soils; Asian native; Zones 4 - 9</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N
Juniperus chinensis 'Robusta Green' Upright Chinese Juniper <i>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 tolerant when established; Asian native; Zones 5 - 9</i>		5 - 6' 6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B B&B	_____ _____ _____ _____	N
Juniperus chinensis 'Spartan' Upright Chinese Juniper <i>EVERGREEN ORNAMENTAL CONIFER; bright green evergreen needles; narrowly pyramidal to columnar habit; grows to about 15' tall by 5' wide; susceptible to Phomopsis; locate in full sun & most well-drained soils; drought tolerant when established; Asian native; Zones 5 - 9</i>		6 - 7' 7 - 8'	B&B B&B	_____ _____	N
Juniperus squamata 'Loderi' Upright Singleseed Juniper <i>EVERGREEN ORNAMENTAL CONIFER; blue-green foliage; compact irregular pyramidal habit to 8' or more tall; may be a cultivar of J. pingii; locate in full sun & most well-drained soils; does not perform well in areas with high humidity & high evening temperatures; native to Asia; Zones 4 - 7</i>		5 - 6' 7 - 8'	B&B B&B	_____ _____	
Juniperus virginiana Eastern Red Cedar <i>EVERGREEN CONIFER; variably columnar to pyramid habit reaching about 40' tall by 15-25' wide; medium green summer foliage bronzes in winter; tolerant of drought, air pollution, sterile soil & Black Walnut; locate in full sun & well-drained soil of any pH; native to eastern North & Central America; Zones (3) 4 - 9</i>		6 - 7' 7 - 8' 10 - 12' 12 - 14'	B&B B&B B&B B&B	_____ _____ _____ _____	N
Juniperus virginiana 'Overlook' Eastern Red Cedar <i>EVERGREEN ORNAMENTAL CONIFER; showy greenish-blue to bright blue female cones in fall; medium green summer foliage bronzes in winter; fairly narrow conical habit; tolerant of drought, air pollution, sterile soil, some salt & Black Walnut; locate in full sun & well-drained soil of any pH; native to eastern & central North America (Shagbark N) Zones (3) 4 - 9</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N

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Larix kaempferi 'Diana' Twisted Japanese Larch <i>DECIDUOUS ORNAMENTAL CONIFER; bushy upright habit to 40' & half as wide with twisting branches; bright green summer needles turn golden in fall; locate in full sun & well drained moisture retentive soils that are acidic to neutral; not drought tolerant; Japanese native; Zones 3 - 6 (7)</i>		7 - 8' 8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B B&B	_____ _____ _____ _____	N N
Larix laricina American Larch; Eastern Larch; Tamarack <i>DECIDUOUS CONIFER; fairly short narrow green needles turn bright orange in fall; locate in full sun & moist to moisture retentive soils that are acidic to neutral; not tolerant of drought, urban conditions or high evening temperatures; North American native; Zones 2 - 4 (5)</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	
Liquidambar styraciflua 'Moraine' American Sweetgum <i>DECIDUOUS SHADE TREE; upright oval habit to about 75' tall; grows faster & more uniform than the species; dark glossy green summer foliage turns brilliant red in fall; locate in full sun & moist to partially wet organic soils; increased hardiness; native to eastern of US & Mexico; Zones (4) 5 - 9</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	
Liriodendron tulipifera Tuliptree; Tulip Poplar <i>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</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c	B&B B&B B&B B&B	_____ _____ _____ _____	N N
Magnolia x liliiflora 'Jane' USDA Hybrid Lily Magnolia <i>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</i>		7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B	_____ _____ _____	N N N
Magnolia stellata 'Royal Star' Star Magnolia <i>DECIDUOUS ORNAMENTAL TREE; fragrant white 3" star-like flowers in late March before the foliage; 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</i>		6 - 7' hvy 7 - 8' hvy 8 - 10' hvy	B&B B&B B&B	_____ _____ _____	N N N
Malus domestica 'Crimson Crisp' Fruiting Apple <i>DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; medium sized bright red somewhat tart fruit in mid-fall; size varies with rootstock but tends to be about 15' high & wide; attracts hummingbirds & butterflies; excellent disease resistance; 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 (Purdue U) Zones 5 - 8</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____	N N
Malus domestica 'Fuji' Fruiting Apple <i>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 [M. domestica] Zones 3 - 8</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c	B&B B&B B&B	_____ _____ _____	N
Malus domestica Honeycrisp Fruiting Apple <i>DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; very juicy & sweet large red fruit with yellowish stripping 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; native to western Asia (U of MN) Zones 3 - 8</i>		2 - 2.5'c 2.5 - 3'c	B&B B&B	_____ _____	N

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Malus domestica 'Jonagold' Fruiting Apple <i>DECIDUOUS FRUIT TREE; pink buds open to lightly scented pale pink flowers in May; yellowish-red fruit usually follows in mid fall; habit varies with root-stock but tends to be as high as wide; not a pollinator; 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 2 other varieties; native to western Asia; Zones 4 - 8</i>		2 - 2.5'c 2.5 - 3'c	B&B B&B	_____ _____ _____	N
Malus domestica 'Macoun' Fruiting Apple <i>DECIDUOUS FRUIT TREE; pink buds open to fragrant white flowers in May; dark purple-red fruit follows in early fall & is good for eating & cooking; 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-pollinate with 'McIntosh'; native to western Asia; Zones 3 - 8</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____ _____	N
Malus 'Donald Wyman' White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; dark pink to red buds open to 1.75" white flowers; more prolific in alternate years; persistent 1/2" bright red fruit; large spreading habit to 20' tall by 25' wide; glossy dark green summer foliage; resistant to most diseases; slight susceptibility to scab, mildew & fireblight; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; PHS Gold Metal; Zones 4 - 8</i>		2 - 2.5'c 2.5 - 3'c	B&B B&B	_____ _____ _____	N N
Malus floribunda Japanese Flowering Crabapple; White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; fragrant white flowers from dark pink buds; 3/8" yellow fruit with red cheek; broadly spreading habit; somewhat susceptible to scab, powdery mildew & fireblight; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; Zones 4 - 7</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____ _____	
Malus Harvest Gold ('Hargozam') White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; pink to red buds open to white flowers a little later than most; persistent gold fruit into December; upright to vase-shaped head to 25' tall by 20' wide; very drought tolerant; slightly susceptible to fireblight & susceptible to scab; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out (Lake County N) Zones 4 - 8</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c	B&B B&B B&B	_____ _____ _____	
Malus 'Indian Magic' Pink Crabapple <i>DECIDUOUS ORNAMENTAL TREE; red buds open to 1.5" rose-red or deep pink flowers; persistent 1/2" red fruit transitions to orange; slight susceptibility to rust & moderate to high susceptibility to scab; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; (Simpson) Zones 4 - 8</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c	B&B B&B B&B	_____ _____ _____	
Malus 'Prairifire' Pink Crabapple <i>DECIDUOUS ORNAMENTAL TREE; red buds open to exceedingly showy purplish-red flowers; persistent 3/8" purplish-red fruit; new bronze-red foliage matures to bronze-green by summer before turning to shades of orange & red in fall; rounded heads to 20' x 20'; excellent disease resistance; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out (Dayton) Zones 4 - 8</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c	B&B B&B B&B	_____ _____ _____	

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 Washington Crossing, PA 18977-1125
 www.phintuthill.com

represented by:

phone: (215) 321-4545
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 email: Phin@RPTuthill.com

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Malus Royal Raindrops ('JFS-KW5') Pink Crabapple <i>DECIDUOUS ORNAMENTAL TREE; single deep pink flower; persistent 1/4" bright red fruit; purple cut-leaf summer foliage turns shades of orange & red in fall; upright oval heads to 20' tall by 15' wide; very good disease resistance; locate in full or mostly sunny areas with loamy moist well-drained acidic soil; tolerant of urban conditions if not allowed to dry out [M. transitoria] (Schmidt) Zones 4 - 8</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c	B&B B&B B&B	_____ _____ _____	N
Malus sargentii White Sargent Crabapple <i>DECIDUOUS ORNAMENTAL TREE; red buds open to fragrant white flowers in alternate years (some seedlings may produce annual flowers); 1/2" bright red fruit; dense wide-spreading habit to 8' tall by 12' wide; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; Zones 4 - 7</i>		2 - 2.5" c 2.5 - 3" c 3 - 3.5" c	B&B B&B B&B	_____ _____ _____	
Malus sargentii 'Tina' Dwarf White Sargent Crabapple <i>DECIDUOUS ORNAMENTAL TREE; red buds open to single white flowers; 1/4" red fruit; dwarf spreading habit to 5' tall by 10' wide; excellent disease resistance; branching starts at the or slightly above the bud union at or near the ground; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; Zones 4 - 7</i>	4.5' GRAFT	2 - 2.5" c 2.5 - 3" c 3 - 3.5" c	B&B B&B B&B	_____ _____ _____	
Malus 'Snowdrift' White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; pink buds open to abundant 1.25" dia lightly fragrant white flowers; 1/2" sporadic orange-yellow fruit with a red cheek; dark green summer foliage; rounded head to 20' tall by 20' wide; some susceptibility to fireblight; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out (Cole N) Zones 4 - 8</i>		2.5 - 3" c	B&B	_____	
Malus 'Spring Snow' White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; sterile white flowers; no fruit; densely branched upright oval head to 25' tall by 20' wide; susceptible to scab & moderately to cedar apple rust & fireblight; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out; Zones 4 - 8</i>		2.5 - 3" c	B&B	_____	N
Malus zumi 'Calocarpa' White Crabapple <i>DECIDUOUS ORNAMENTAL TREE; deep red buds open to fragrant soft pink flowers which fade to white; persistent 1/2" red fruit; rounded heads to 25' x 25'; dark green foliage; good disease resistance; slight susceptibility to scab & powdery mildew & severe susceptibility to fireblight; locate in full or mostly sunny areas with loamy moist well-drained acidic soil, but more widely adaptable; tolerant of urban conditions if not allowed to dry out (Arnold Arb.) Zones 4 - 7</i>		2 - 2.5" c 2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Nyssa sylvatica Black Gum; Black Tupelo <i>DECIDUOUS SHADE TREE; glossy dark green summer foliage turns brilliant shades of red, orange &/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</i>		2 - 2.5" c 2.5 - 3" c 3 - 3.5" c	B&B B&B B&B	_____ _____ _____	N N N

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Ostrya virginiana American Hop Hornbeam; American Ironwood <i>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</i>		2 - 2.5'c	B&B	_____	N
Picea abies Norway Spruce <i>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</i>	Limit Limit Limit	6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N
Picea abies 'Acrocona' Compact Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact habit that becomes a large spreading to irregular pyramid that's staked to become taller than wide; large reddish-purple immature cones on branch tips in spring; new spring needles are lighter green creating a nice contrast; 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</i>		12 - 14'	B&B	_____	N
Picea abies 'Clanbrissiliana Stricta' Dwarf Upright Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; irregular broadly columnar to pyramidal habit getting about 4' tall by 2' wide in 10 years & wider with age in relation to height; dense dark green needles; 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</i>		10 - 12'	B&B	_____	
Picea abies 'Cupressina' Columnar Norway Spruce <i>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</i>		8 - 10'	B&B	_____	
Picea abies 'Elegantissima' Golden Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; new needles are creamy yellow which fades by summer to become for of a dusting on the upper branches; irregular pyramidal habit to about 8' tall by 4' wide in 10 years; resists deer browse; locate in filtered to partial shade & well-drained neutral to acidic moisture retentive soils; native to northern Europe; Zones 2 - 7</i>		6 - 7' 7 - 8' 8 - 10' 12 - 14'	B&B B&B B&B B&B	_____ _____ _____ _____	N N
Picea abies 'Hillside Upright' Dwarf Upright Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; medium green needles; prominent medium brown buds; irregular upright loosely-pyramidal habit to about 5' tall by 2' wide in 10 years; resists deer browse; locate in full to mostly sunny location & well-drained neutral to acidic moisture retentive soils; native to northern Europe; Zones 2 - 7</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	
Picea abies 'Iola' Contorted Norway Spruce <i>EVERGREEN CONIFER; dark green needles persist for several years; irregular pyramidal habit with semi-weeping lateral branches; appears to grow about 9-12" per year; 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</i>		5 - 6' 6 - 7'	B&B B&B	_____ _____	

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Picea abies 'Lanham's Beehive' Dwarf Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; longer & thicker green needles with a slight glaucous tint; distinctive cinnamon colored stems and buds; slow irregular spreading mound to about 3' high by 4' wide in 10 years; resists deer browse; locate in full sun to partial shade & well-drained neutral to acidic moisture retentive soils; native to northern Europe (Lanham / Iseli) Zones 2 - 7</i>		18 - 24" spr	5g	_____	N
Picea abies 'Pendula' Weeping Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; dark green needles; leader staked upright then allowed to weep downward; can develop a broad skirt in time; height & shape varies with staking & source; resists deer browse; locate in full sun to partial shade & well-drained neutral to acidic moisture retentive soils; graded by length of leader; native to northern Europe; Zones 2 - 7</i>	STAKED	5 - 6' 6 - 7' 7 - 8'	B&B B&B B&B	_____ _____ _____	N
Picea abies 'Perry's Gold' Compact Golden Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; new growth in spring is a very bright gold which transitions to typical dark green by summer; best color with some filtered &/or afternoon shade; compact pyramidal habit to about 4' tall by 2' wide in 10 years; resists deer browse; locate in full sun to partial shade & well-drained neutral to acidic moisture retentive soils; native to northern Europe (Perry / Williams) Zones 2 - 7</i>		12 - 14'	B&B	_____	
Picea abies 'Remonti' Dwarf Norway Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact broadly irregular conical habit to about 3' tall by 2' wide in 20 years; bright orange buds; short medium green needles; mostly ascending 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</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	
Picea bicolor 'Howell's Dwarf Tigertail' Dwarf Bicolor Spruce; Dwarf Alcock's Spruce <i>see: Picea jezoensis 'Howell's Dwarf'</i>				_____	
Picea glauca 'Conica' Alberta Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact pyramidal habit with short green needles; becomes broadly pyramidal when mature; rarely exceeds 10' in height; highly deer browse resistant; locate in full sun or light shade & moist organic soils, although tolerant of many soil conditions; US native; Zones 2 - 6 (7)</i>		5 - 6' 6 - 7' 7 - 8'	B&B B&B B&B	_____ _____ _____	N
Picea glauca 'Montrose Charm' Columnar White Spruce <i>EVERGREEN CONIFER; very short fuzzy & soft gray-green needles; narrowly pyramidal habit to about 10' tall by 3' wide; tolerant of coastal situations; resists deer browse; locate in full sun or minimal shade & moist organic soils, although tolerant of many soil conditions; native to northern US & Canada; seedling of 'Montrose Spire' (W Montrose Farms) Zones 3 - 6 (7)</i>		7 - 8'	B&B	_____	N
Picea glauca 'Montrose Spire' Columnar White Spruce <i>EVERGREEN CONIFER; short gray-green needles; narrowly pyramidal habit to about 10' tall by 4' wide; tolerant of coastal situations; resists deer browse; locate in full sun or minimal shade & moist organic soils, although tolerant of many soil conditions; native to northern US & Canada (W Montrose Farms) Zones 3 - 6 (7)</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N N

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Picea jezoensis Yezo Spruce; Jezo Spruce <i>EVERGREEN CONIFER; flat leathery needles are dark green above and dull blue below; new shoots are a very pale buff-brown to off-white; gray-brown deeply fissured bark peels off in irregular scales; large narrow habit up to 100' tall by 20' wide at maturity; locate in full sun only & any soil that's neutral to very acidic; not tolerant of coastal situations or urban pollution; Asian native; Zones 2 - 6</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N N N
Picea jezoensis 'Chitsosumani' / 'Chitosemaru' Compact Yezo Spruce; Compact Jezo Spruce <i>EVERGREEN ORNAMENTAL CONIFER; bicolor blue & green needles; compact broadly irregular pyramidal habit to about 2' tall & wide in 10 years; doesn't perform well in humid climates with high nighttime summer temperatures; locate in full sun or minimal shade & well-drained neutral to acidic moisture retentive soils; Japanese native; formerly: alcoquiana or bicolor; Asian native; Zones 2 - 5 (6)</i>		18 - 24"	7g	_____	N
Picea jezoensis "Howell's Dwarf" Dwarf Yezo Spruce; Dwarf Jezo Spruce <i>EVERGREEN ORNAMENTAL CONIFER; bicolor blue & green needles; compact spreading habit to about 2' tall by 3' wide in 10 years; trimmed to have a nest-like form; not for humid climates with high nighttime summer temperatures; locate in full sun or minimal shade & well-drained neutral to acidic moisture retentive soils; Japanese native; formerly: alcoquiana or bicolor; Asian native; Zones 5 - 7</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N N N
Picea omorika 'Nana' PYRAMID Dwarf Serbian Spruce <i>EVERGREEN ORNAMENTAL CONIFER; bicolor green & blue needles; broadly compact irregular pyramidal 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</i>		4 - 5' 5 - 6' 8 - 10'	B&B B&B B&B	_____ _____ _____	N
Picea omorika 'Pendula' Weeping Serbian Spruce <i>EVERGREEN ORNAMENTAL CONIFER; erect leader with gracefully drooping lateral branches that arch upward toward the tips; typical blue & green needles; very narrow profile makes an excellent choice for tight spaces; 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</i>		7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B	_____ _____ _____	
Picea orientalis Oriental Spruce <i>EVERGREEN CONIFER; narrow moderate growing pyramid to 50' tall by 25' wide; short glossy dark green needles; short glossy golden needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N
Picea orientalis 'Atrovirens' Compact Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; pyramidal habit to about 8' tall by 4' wide in 10 years; can be more open or irregular than the species; male cones are red & female cones are purple before turning brown; typical short glossy dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		10 - 12' 12 - 14'	B&B B&B	_____ _____	N
Picea orientalis 'Aureospicata' Gold-tipped Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; butter yellow new growth turns dark green upon maturity; compact narrow pyramidal profile; male cones are red & female cones are purple before turning brown; typical short glossy mature dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		8 - 10' 10 - 12' 12 - 14'	B&B B&B B&B	_____ _____ _____	N

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Picea orientalis 'Gowdy' Compact Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact pyramidal habit that resembles the species, but grows about half as fast; male cones are red & female cones are purple before turning brown; typical short glossy dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		6 - 7' 8 - 10' 10 - 12'	B&B B&B B&B	_____ _____ _____	N
Picea orientalis 'Gracilis' / 'Gracilis Nana' Compact Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact pyramidal habit to about 8' tall by 4' wide in 10 years; male cones are red & female cones are purple before turning brown; typical short glossy dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		6 - 7'	B&B	_____	
Picea orientalis 'Nigra Compacta' Compact Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; very broad compact pyramidal habit; leader is cut to make a broadly upright mound; male cones are red & female cones are purple before turning brown; short glossy dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		6 - 7' 7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B B&B	_____ _____ _____ _____	
Picea orientalis 'Nutans' Weeping Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; irregular branching with slightly weeping secondary branches; once mature, the magnificence of this cultivar really stands out; male cones are red & female cones are purple before turning brown; short glossy dark green needles lay against the branches; locate in full sun or very light shade & moisture 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</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	
Picea orientalis 'Silver Seedling' Silver Oriental Spruce <i>EVERGREEN CONIFER; small bright red male flowers in spring; young cones reddish-purple; silvery new needles remain effective all year & can burn in full or afternoon sun; mature short glossy dark green needles appear after the 1st year; broadly pyramidal habit to about 4' tall by 3' wide in 10 years; protect from winter wind in northern range; tolerates shade; locate in full sun or shade & moisture retentive well-drained acidic or alkaline soil; native to Asia Minor; Zones (4) 5 - 7</i>		5 - 6' 6 - 7'	B&B B&B	_____ _____	N
Picea orientalis 'Skylands' Golden Oriental Spruce <i>EVERGREEN ORNAMENTAL CONIFER; short glossy golden needles lay against the branches; compact pyramidal habit; protection from afternoon sun will keep the color brighter; male cones are red & female cones are purple before turning brown; locate in full sun or very light shade & moisture 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</i>		6 - 7' 7 - 8'	B&B B&B	_____ _____	N N
Picea pungens 'Baby Blue' Select Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; bright blue needles; somewhat compact pyramidal habit; grown from a select seed source; 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)</i>	Limit Limit Limit	6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	

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Picea pungens 'Bakeri' Select Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; pyramidal habit growing to 50' or more in time; gray-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)</i>	Limit	5 - 6'	B&B	_____	N	
	Limit	6 - 7'	B&B	_____		
	Limit	7 - 8'	B&B	_____		
	Limit	8 - 10'	B&B	_____		
		2	10 - 12'	B&B		_____
		2	12 - 14'	B&B		_____
Picea pungens 'Fastigiata' / 'Glauca Fastigiata' / 'Iseli Fastigiata' Columnar Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; narrow columnar habit when young; widens with age (like we do); gray-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 (Iseli) Zones 3 - 7 (8)</i>		5 - 6'	B&B	_____	N	
		6 - 7'	B&B	_____	N	
Picea pungens 'Fat Albert' Select Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; uniform broadly compact pyramidal habit; good blue color; 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 (Iseli) Zones 3 - 7 (8)</i>	Limit	5 - 6'	B&B	_____	N	
	Limit	6 - 7'	B&B	_____	N	
Picea pungens 'Glauca' Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; compact pyramidal habit to 60' or more; bright blue to gray-green needles; deer browse resistant; 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)</i>		6 - 7'	B&B	_____	N	
		7 - 8'	B&B	_____	N	
		8 - 10'	B&B	_____	N	
		16 - 18'	B&B	_____		
Picea pungens 'Hoopsii' Select Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; silvery blue needles; narrow pyramidal habit; open & irregular if not sheared when young; 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)</i>	Limit	5 - 6'	B&B	_____	N	
	Limit	6 - 7'	B&B	_____	N	
	Limit	7 - 8'	B&B	_____		
	Limit	8 - 10'	B&B	_____		
			10 - 12'	B&B	_____	
		12 - 14'	B&B	_____		
Picea pungens 'Kosterii' Select Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; silvery-blue needles; intermediate growing pyramidal habit; 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)</i>		1	16 - 18'	B&B	_____	
Picea pungens 'Montgomery' Dwarf Blue Colorado Spruce <i>EVERGREEN ORNAMENTAL CONIFER; very compact habit with bright blue needles; may become broadly pyramidal with age; 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)</i>			4 - 5' spr	B&B	_____	
				5 - 6' spr	B&B	N
Pinus cembra Swiss Stone Pine <i>EVERGREEN ORNAMENTAL CONIFER; slow to moderate growing pyramid to 40' tall & half as wide; greenish-blue needles; locate in full sun & well-drained organic soil on the acidic side; European native; Zones (2) 3 - 7</i>			5 - 6'	B&B	_____	
			6 - 7'	B&B	_____	
			7 - 8'	B&B	_____	
			8 - 10'	B&B	_____	
Pinus densiflora 'Jane Kluis' Dwarf Japanese Red Pine <i>EVERGREEN ORNAMENTAL CONIFER; very white buds surrounded by short medium green needles in groups of 2 that have sharp tips; interesting reddish-orange peeling bark; compact spreading mound to about 3' tall by 4' wide in 10 years; deer browse resistant; locate in full to mostly sunny locations & moisture retentive well-drained neutral to acidic soils; native to Japan, China & Korea [now known to be a cross: P. densiflora x P. thunbergii] Zones (3) 4 - 7</i>			30 - 36" spr	7g	_____	
			3 - 4' spr	B&B	_____	
			4 - 5' spr	B&B	_____	N

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 www.phintuthill.com

represented by:

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BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Pinus flexilis 'Vanderwolf Pyramid' Blue Pyramidal Limber Pine <i>EVERGREEN ORNAMENTAL CONIFER; pyramidal habit; steel-blue needles in groups of 5; moderate to rapid grower; locate in full sun & well-drained organic moisture retentive soil; native to western North America; Zones 4 - 7</i>		7 - 8' 8 - 10'	B&B B&B	_____ _____ _____	N
Pinus Koraiensis 'Oculus Draconis' Dragon's Eye Korean Pine <i>EVERGREEN ORNAMENTAL CONIFER; long twisting bluish-green needles in groups of 5 persist 3 years become subtly banded with patches of yellow from early fall through winter; banding not as showy as P. densiflora types; compact upright pyramidal habit to about 8' tall by 4' wide in 10 years; similar to 'Jack Corbet', but grows a little faster; tolerates urban conditions; locate in full sun to moderate shade & just about any soil that drains; native to Korea; Zones (3) 4 - 7</i>		6 - 7' 7 - 8'	B&B B&B	_____ _____ _____	N N
Pinus leucodermis Bosnian Pine <i>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 tolerance 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</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____ _____	N N N
Pinus mugo Mugo Pine; Swiss Mountain Pine <i>EVERGREEN ORNAMENTAL CONIFER; medium green needles in groups of 2; compact widely variable mounding habit to as much as 20' tall by 30' wide but rarely that big; size and shape can be maintained by pruning; locate in full sun or light shade & soils of any pH that drain; native to southeastern European mtns; Zones 3 - 7</i>		4 - 5' spr 5 - 6' spr	B&B B&B	_____ _____ _____	N
Pinus mugo 'Amberglow' Dwarf Mugo Pine; Dwarf Swiss Mountain Pine		36 - 42" spr 42 - 48" spr	B&B B&B	_____ _____ _____	N N
Pinus mugo 'Sherwood Compact' Dwarf Mugo Pine; Dwarf Swiss Mountain Pine <i>EVERGREEN ORNAMENTAL CONIFER; short dark green needles all year with a slight twist in groups of 2; compact mound to about 30" tall & wide in 10 years; size and shape can be maintained by pruning; locate in full sun or light shade & soils of any pH that drain; native to southeastern European mtns (Sherwood) Zones 3 - 7</i>		18 - 24" spr	7g	_____ _____	N
Pinus nigra 'Hornibrookiana' Dwarf Austrian Pine <i>EVERGREEN ORNAMENTAL CONIFER; cream colored candles in spring; dark green needles in groups of 2 surround white buds; orange bark; compact globular habit in youth becomes a wide spreading mound with age to about 2' tall by 3' wide in 10 years; high salt tolerance for roadsides and coastal areas; watering during drought conditions in warmer regions is needed to prevent Diplodia blight; locate in full sun & just about any well-drained moisture retentive soils; witches broom; European native; Zones 4 - 6 (7)</i>		24 - 30" 3 - 4'	7g 15g	_____ _____ _____	N N
Pinus parviflora 'Aoi' Dwarf Blue Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; very dark blue-green needles in groups of 5; reported to have the bluest needles of all the P. parviflora cultivars; irregular loosely pyramidal habit to about 15' tall by 10' wide in 10 years; tolerates road salt, urban & coastal conditions; locate in full sun & well-drained moisture retentive soils of varying pH; Japanese native; Zones (4) 5 - 7</i>		42 - 48"	15g	_____ _____	N

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Pinus parviflora 'Azuma' / 'Azuma goyo' Dwarf Blue Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; very dark blue-green needles in groups of 5; reported to be one of the bluest needles of all the P. parviflora cultivars; irregular bushy to loosely pyramidal habit to about 2' tall by 15" wide in 10 years; tolerates road salt, urban & coastal conditions; locate in full sun & well-drained moisture retentive soils of varying pH; Japanese native; Zones (4) 5 - 7</i>		30 - 36"	10g	_____	N
Pinus parviflora 'Glauca' Blue Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; dark blue needles in groups of 5; narrow open habit when young; matures to a wide spreading upright evergreen; locate in full sun & very well-drained soils of varying pH; salt tolerant; Japanese native; Zones 4 - 7</i>		5 - 6' 6 - 7' 7 - 8' 8 - 10' 10 - 12'	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Pinus parviflora 'Glauca Nana' Dwarf Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; short dark blue-green needles in groups of 5; fairly narrow compact pyramidal habit to about 2' tall by 1' wide in 10 years; tolerates road salt, urban & coastal conditions; locate in full sun & well-drained moisture retentive soils of varying pH; Japanese native; Zones 4 - 7</i>		3 - 4'	15g	_____	N
Pinus parviflora 'Goldyllocks' / 'Goldilocks' Dwarf Variegated Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; gold candles in spring & early summer become bluish-green needles in groups of 5 at maturity; compact broadly columnar habit to about 4' tall by 3' wide in 10 years; tolerates road salt, urban & coastal conditions; locate in partial or filtered sun (to prevent sunburned needles) & well-drained moisture retentive soils of varying pH; Japanese native; Zones (4) 5 & 7</i>		3 - 4' 4 - 5'	15g Box	_____ _____	N N
Pinus parviflora 'Miyajima' Dwarf Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; blue-green needles are more blue than most in groups of 5; compact (but not dense) upright habit to about 3' tall by 2' wide in 10 years; tolerates road salt, urban & coastal conditions; locate in full sun & well-drained moisture retentive soils of varying pH; Japanese native; Zones (4) 5 - 7</i>		3 - 4'	Box	_____	N
Pinus parviflora 'Ogon Janome' Golden Bull's-eye Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; this slow growing broad upright grower has blue needles with banded gold patches that intensify in late summer; the color contrast is retained through the winter; the somewhat open habit helps accentuate the gold & blue needles in groups of 5; locate in full sun & very well-drained soils of varying pH; salt tolerant; Japanese native; Zones 4 - 7</i>		5 - 6' 6 - 7' 7 - 8'	B&B B&B B&B	_____ _____ _____	N N N
Pinus parviflora 'Tamina-no-yuki' Dwarf Variegated Japanese White Pine <i>EVERGREEN ORNAMENTAL CONIFER; late bud break reveals cream, pink & green needles that mature to blue-green with white tips in groups of 5; short internodes create a very bushy, compact, broadly mounding habit that grows about 4" per year, depending on soil fertility & available moisture; tolerates road salt, urban & coastal conditions; locate in full sun & well-drained moisture retentive soils of varying pH; Japanese native; Zones 4 - 7</i>		30 - 36" spr 3 - 4' spr	10g Box	_____ _____	N N
Pinus strobus Eastern White Pine <i>EVERGREEN CONIFER; long medium green needles in groups of 5; pyramidal habit in youth becomes dramatic open irregular specimens with maturity; sheared for fullness & to allow loose new growth on the outer branches; not tolerant of windy winter locations in northern range; locate in full sun or very light shade & acidic well-drained moisture retentive soil; native to eastern US & Canada; Zones 3 - 7 (8)</i>		6 - 7' 7 - 8'	B&B B&B	_____ _____	N N

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Pinus strobus 'Contorta' Contorted Dwarf Eastern White Pine <i>EVERGREEN ORNAMENTAL CONIFER; upright grower with twisted needles & stems; typical soft 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 3 - 7 (8)</i>		8 - 10' 10 - 12' 16 - 18' 18 - 20'	B&B B&B B&B B&B	_____ _____ _____ _____	N N
Pinus strobus 'Fastigiata' Columnar Eastern White Pine <i>EVERGREEN ORNAMENTAL CONIFER; fairly narrow upright habit becomes broadly columnar when mature; soft green needles in groups of 5; locate in full sun & well drained acidic soil; protect from wind in colder locations; PHS Gold Metal; native to eastern US & Canada; Zones 3 - 7 (8)</i>		12 - 14'	B&B	_____	N
Pinus strobus 'Hillside Winter Gold' Golden Eastern White Pine <i>EVERGREEN ORNAMENTAL CONIFER; evergreen needles in groups of 5 turn gold in winter; upright growth is relatively typical of the species, although it has a tendency to become more openly branched and needs shearing to stay compact and bushy; locate in full sun & well drained acidic soil; protect from wind in colder locations; native to eastern US & Canada; Zones 3 - 7 (8)</i>		8 - 10' 10 - 12' 14 - 16' 16 - 18'	B&B B&B B&B B&B	_____ _____ _____ _____	N
Pinus strobus 'Nana' Dwarf Eastern White Pine <i>EVERGREEN ORNAMENTAL CONIFER; globular to spreading habit; soft medium 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 3 - 7 (8)</i>		12 - 14' spmn	B&B	_____	
SPREADING FORM					
Pinus sylvestris 'Albyn' / 'Albyn Prostrata' Prostrate Scotch Pine <i>EVERGREEN ORNAMENTAL CONIFER; blue-green needles in bundles of 2 keep the gray-green color all winter; prostrate habit usually stays under 18" tall by 6' wide in 10 years; deer browse resistant; tolerant of poor soils & urban conditions with good drainage; not tolerant of areas with hot humid summers; locate in full sun & well-drained acidic soil; native to northern Europe & Asia; Zones (2) 3 - 6 (7)</i>		24 - 30" spr 30 - 36" spr 3 - 4' spr	7g 15g Box	_____ _____ _____	N N N
Pinus thunbergii 'Ogon' Golden Japanese Black Pine <i>EVERGREEN ORNAMENTAL CONIFER; long golden needles in bundles of 2; intermediate upright grower to about 20' with horizontally spreading branches; locate in full sun & well-drained neutral to acidic soil; perhaps the best ornamental evergreen for coastal areas; native to Japan & Korea; Zones (5) 6 - 8</i>		3 - 4' 4 - 5' 10 - 12'	7g 15g B&B	_____ _____ _____	N N
Pinus thunbergii 'Thunderhead' Compact Japanese Black Pine <i>EVERGREEN ORNAMENTAL CONIFER; long dark green needles in bundles of 2; very long prominent white buds in winter; broadly upright irregular habit to about 6' tall by 5' wide in 10 years; usually is wider than tall at maturity; can have multiple leaders; very resistant to salt from coastal & urban situations; locate in full sun & well-drained neutral to acidic soil; native to Japan & Korea; Zones (5) 6 - 8</i>		30 - 36" 3 - 4' 36 - 42" 4 - 5' 4 - 5' 5 - 6'	7g 7g 15g 25g Box Lg Box	_____ _____ _____ _____ _____ _____	N N N N N N
Pinus wallichiana Himalayan Pine; Bhutan Pine <i>EVERGREEN CONIFER; very long light green needles in bunches of 5; looks like P. strobus on steroids; large broadly pyramidal habit to 50' tall & nearly as wide; not tolerant of windy winter locations in northern range; locate in full sun or light shade & well-drained moisture retentive acidic soils; native to Asia; Zones 5 - 7</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N N

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Pinus wallichiana 'Zebrina' Variegated Himalayan Pine; Variegated Bhutan Pine <i>EVERGREEN ORNAMENTAL CONIFER; very long drooping medium green needles in bunches of 5 develop creamy-yellow & green bands from early fall through winter; large pyramidal habit to about 12' tall by 8 wide in 10 years; locate in full sun or light shade & fertile moisture retentive well-drained acidic soils; Asian native; Zones 5 - 7</i>		4 - 5'	7g	_____	N
Platanus x acerifolia 'Bloodgood' London Planetree <i>DECIDUOUS SHADE TREE; large spreading shade tree to 80' tall & nearly as wide; exfoliating bark reveals patches of off-white & tan; high resistance to anthracnose; locate in full sun & a wide range of moisture retentive soils; good in wet soils and urban conditions [P. orientalis x P. occidentalis] Zones (4) 5 - 8 (9)</i>		3 - 3.5" 3.5 - 4" 4 - 4.5"	B&B B&B B&B	_____ _____ _____	
Platanus x acerifolia Exclamation 'Morton Circle' London Planetree <i>DECIDUOUS SHADE TREE; reduced quantities of rounded tan ball in pairs appear in late fall through winter; showy exfoliating bark with patches of off-white, tan & light green; pyramidal to oval heads to about 80' tall by 65' wide; high resistance to mildew & anthracnose; tolerates moist soils & urban conditions; locate in full sun & a wide range of moisture retentive soils [P. orientalis x P. occidentalis] (Ware / Morton Arb.) Zones (5) 6 - 8 (9)</i>		3 - 3.5" 3.5 - 4"	B&B B&B	_____ _____	
Prunus cerasus 'North Star' Sour Cherry <i>DECIDUOUS FRUIT TREE; fragrant white flowers in May before the foliage emerges;; dark red fruit matures in July; dark green summer foliage turns bright orange in fall; compact spreading habit to about 10' high by 10' wide; can be grown as a shrub as well; used for pies, not eating; no pollinator needed - self fruitful; ornamental smooth reddish bark; locate in full sun & well-drained loamy moisture retentive soil [P. cerasus] Zones 4 - 8</i>		2 - 2.5" 2.5 - 3" 3 - 3.5"	B&B B&B B&B	_____ _____ _____	N
Prunus domestica 'Stanley' Fruiting Prune Plum <i>DECIDUOUS FRUIT TREE; fragrant showy white flowers in April before the foliage; dark purple fruit in Sept; prune plums have firmer flesh & higher sugar content which allows them to be dried into prunes; rounded heads to 15' tall by 12' wide; self-fertile but bears more heavily with other plum trees; locate in full sun & well-drained moisture retentive soil; European native (NY Experimental Sta.) Zones 5 - 7</i>		2 - 2.5" 2.5 - 3" 3 - 3.5"	B&B B&B B&B	_____ _____ _____	N N
Prunus domestica 'Toka' Fruiting Prune Plum <i>DECIDUOUS FRUIT TREE; fragrant showy white flowers in April before the foliage; red fruit in late summer; prune plums have firmer flesh & higher sugar content which allows them to be dried into prunes; green summer foliage turns yellow in fall; rounded heads to 20' tall by 20' wide; not self-fertile; excellent pollinator for other varieties; locate in full sun & well-drained moisture retentive soil; European native; Zones 3 - 7</i>		2 - 2.5" 2.5 - 3" 3 - 3.5"	B&B B&B B&B	_____ _____ _____	N
Prunus persica 'Reliance' Freestone Peach <i>DECIDUOUS FRUIT TREE; soft pink flowers in early spring before the foliage emerges; medium to large yellow & red fruit matures in early August; standard rootstock produces upright broad habit to about 20' high by 15' wide; dwarf rootstock produces a tree about half as large; self pollinating; locate in full sun & well-drained sandy to loamy moisture retentive soil that is neutral to slightly acidic [P. persica] Zones 5 - 8</i>		2 - 2.5" 2.5 - 3"	B&B B&B	_____ _____	N N

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Prunus sargentii 'Columnaris' Columnar Sargent Cherry <i>DECIDUOUS ORNAMENTAL TREE; narrow upright habit to 35' tall by 15' wide; pink flowers in late April before the foliage; shiny dark green summer foliage turns reddish-bronze in the fall; glossy reddish-brown bark; locate in full sun & any well-drained soil; Japanese native; Zones 4 - 7</i>		2.5 - 3'c	B&B	_____	N
Prunus x Snow Fountains ('Snofozam') White Weeping Cherry <i>DECIDUOUS ORNAMENTAL TREE; strictly weeping; profuse white flower in April before the foliage; dark green foliage turns orange in fall; usually grafted at about 6.5', but maybe lower, on top of a straight trunk; locate in full sun & any well-drained soil; Zones 6 - 9</i>	4' GRAFT	2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____	
Prunus subhirtella 'Autumnalis' / var. autumnalis Pink Fall-flowering Cherry <i>DECIDUOUS ORNAMENTAL TREE; semi-double light pink flowers in early April fade to white; sporadic fall flowers during warmer weather; spreading upright habit to 30' and almost as wide; locate in full sun & any well-drained soil; Asian native; Zones (5) 6 - 8</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____	N
Pyrus calleryana 'Aristocrat' Flowering Pear; Callery Pear <i>DECIDUOUS ORNAMENTAL TREE; profuse white flowers in early April; yellow to red fall foliage; pyramidal heads reaching 45' tall by 25' wide; weak wooded - especially from wet snow or ice storms; susceptible to fireblight; locate in full sun or light shade & just about any soil with reasonable drainage; tolerant of drought & urban conditions; Chinese native (Shaw) Zones (4) 5 - 8</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 5 - 6'c 6 - 7'c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N
Pyrus calleryana Chanticleer ('Glenn's Form') / 'Cleveland Select' Flowering Pear; Callery Pear <i>DECIDUOUS ORNAMENTAL TREE; profuse white flowers in mid April; yellow to red fall foliage is retained late into the season; narrowly pyramidal to columnar heads reaching 40' tall by 20' wide; weak wooded - especially from wet snow or ice storms; locate in full sun or light shade & just about any soil with reasonable drainage; tolerant of drought & urban conditions; Chinese native (Scanlon) Zones 5 - 8</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____	N N
Pyrus communis 'Bartlett' Fruiting Pear <i>DECIDUOUS FRUIT TREE; profuse white flowers in early spring; greenish-yellow fruit in early fall; upright oval habit to about 10' tall by 8' wide; locate in full sun & neutral to acidic well-drained moisture retentive soil; Zones 5 - 8</i>		2 - 2.5'c 2.5 - 3'c 3 - 3.5'c	B&B B&B B&B	_____ _____ _____	N N N
Pyrus 'Summercrisp' Fruiting Pear <i>DECIDUOUS FRUIT TREE; white flowers in mid-April; pick when firm & skin is a red blush over green; ripens in mid-Aug; don't let ripen all the way; annual flower self-pollinator; conical habit to 25' tall by 20' wide; glossy dark green summer foliage turns purple in fall; highly resistant to fire blight; locate in full sun & neutral to acidic well-drained moisture retentive soil (U of MN) Zones 3 - 8</i>		2.5 - 3'c 3 - 3.5'c	B&B B&B	_____ _____	N
Quercus alba White Oak <i>DECIDUOUS SHADE TREE; large spreading long-lived shade tree to about 60' tall with greater width; dark green summer foliage turns variable shades of brown to red; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & acidic well-drained soil; PHS Gold Metal; US native; Zones (3) 4 - 9</i>		2.5 - 3'c 3 - 3.5'c 3.5 - 4'c 4 - 4.5'c 5 - 6'c 6 - 7'c 8 - 9'c 10 - 11'c	B&B B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____ _____	 N N

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Quercus bicolor Swamp White Oak <i>DECIDUOUS SHADE TREE; broad rounded heads to about 50' or more tall with similar width; deeply furrowed & flaking bark; fall foliage is usually a good yellow, but can also be reddish-purple; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun to part shade & moist to well-drained acidic soil; cannot take constantly wet soils; drought tolerant; native to US & Canada; Zones 4 - 8</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 4.5 - 5" c 5 - 6" c 6 - 7" c	B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____	N N N N N N N
Quercus coccinea Scarlet Oak <i>DECIDUOUS SHADE TREE; pyramidal habit to about 70' tall by 40' wide; deeply cut dark glossy green summer foliage turns dark red in late fall; important wildlife food source; fall transplant hazard, however, 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</i>		3 - 3.5" c 3.5 - 4" c 5 - 6" c 6 - 7" c 7 - 8" c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N N N N N
Quercus macrocarpa Burr Oak; Mossycup Oak <i>DECIDUOUS SHADE TREE; non ornamental yellowish-green catkins in April; bright green summer foliage turns variable shades of yellow-brown in fall; branches often have corky horizontal "wings"; irregular open broadly spreading heads to about 70' tall & often wider; fall transplant hazard; important wildlife food source; tolerates drought, wet, dry & clay soil & some urban conditions; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & moist to well-drained alkaline to acidic soil; native to US & Canada; Zones 3 - 8</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 4.5 - 5" c 5 - 6" c 6 - 7" c	B&B B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____ _____	
Quercus palustris Pin Oak <i>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 tolerant of alkaline soils; US native; Zones 4 - 8</i>		4 - 4.5" c 5 - 6" c 6 - 7" c 7 - 8" c	B&B B&B B&B B&B	_____ _____ _____ _____	
Quercus palustris Green Pillar ('Pringreen') Columnar Pink Oak <i>DECIDUOUS ORNAMENTAL TREE; narrow pyramidal habit to about 50' tall by 15' wide; glossy summer foliage turns red to maroon in the fall; 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 tolerant of alkaline soils; US native (Flemer) Zones 4 - 8</i>		4 - 4.5" c 4.5 - 5" c 6 - 7" c 7 - 8" c	B&B B&B B&B B&B	_____ _____ _____ _____	
Quercus x Regal Prince ('Long') Columnar Hybrid English Oak <i>DECIDUOUS ORNAMENTAL TREE; glossy dark green mildew resistant foliage is white underneath; strong narrow upright habit to about 50' tall by 20' wide; good for tight spaces or for when a dramatic upright form is needed; important wildlife food source; fall transplant hazard, however, if dug before leaf drop & thoroughly hydrated it has better survival results; locate in full sun & most acidic to slightly alkaline soils [Q. robur 'Fastigiata' x Q. bicolor] (Cully) Zones 4 - 8</i>		3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 6 - 7" c 7 - 8" c 8 - 9" c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N
Quercus robur Rosehill ('Asjes') Columnar English Oak <i>DECIDUOUS ORNAMENTAL TREE; irregular upright oval habit to about 40' tall by 20' wide; green mildew resistant summer foliage turns coppery-red in fall; 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 well-drained soil of varying acidity; European native; Zones 4 - 8</i>		5 - 6" c 6 - 7" c 8 - 9" c 13 - 14" c 18 - 19" c 10 - 11" c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N N N N N N

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Syringa vulgaris 'Beauty of Moscow' <i>see: Syringa vulgaris 'Krasavista Moskvj'</i>				
Syringa vulgaris 'Charles Joly' Red French Hybrid Lilac <i>DECIDUOUS FLOWERING SHRUB; double magenta flower; upright vase-shaped habit to 12'; good in coastal landscapes; 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</i>		4 - 5' 5 - 6'	B&B B&B	
Syringa vulgaris 'Ellen Willmott' <i>see: Syringa vulgaris 'Miss Ellen Willmott'</i>				
Syringa vulgaris 'Krasavista Moskvj' White French Hybrid Lilac <i>DECIDUOUS FLOWERING SHRUB; double white 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</i>		4 - 5' 5 - 6' 6 - 7' 7 - 8'	B&B B&B B&B B&B	N
Syringa vulgaris 'Miss Ellen Willmott' White French Hybrid Lilac <i>DECIDUOUS FLOWERING SHRUB; double white flower; upright rounded 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</i>		4 - 5' 5 - 6'	B&B B&B	N
Syringa vulgaris 'Moskvj' <i>see: Syringa vulgaris 'Krasavista Moskvj'</i>				
Taxodium distichum var. distichum Common Bald Cypress <i>DECIDUOUS CONIFER; pyramidal deciduous conifer to about 50' tall; locate in full sun or minimal shade & moist to well-drained acidic soils; tolerant of urban situations with little water & compacted soils as well as wet tidal areas; US native; Zones 4 - 11</i>		8 - 10' 10 - 12'	B&B B&B	
Thuja occidentalis 'Elegantissima' Variegated Eastern Arborvitae; Variegated White Cedar <i>EVERGREEN ORNAMENTAL CONIFER; gold tipped summer foliage turns bronze in winter; broadly pyramidal 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</i>		8 - 10' 10 - 12'	B&B B&B	N N
Thuja occidentalis North Pole® ('Art Boe) Narrow Dark American Arborvitae; Narrow White Cedar <i>EVERGREEN ORNAMENTAL CONIFER; dark green foliage that does not bronze in winter; narrowly pyramidal habit to about 15' tall by 5' wide; tolerant of air pollution & Black Walnut; locate in full sun or light shade; adaptable to varying soil acidity & moisture - except extremes of either; native to eastern US & Canada (Boe / PW) Zones 3 - 7</i>		7 - 8' 8 - 10'	B&B B&B	N N
Thuja occidentalis 'Snow Tip' Variegated Eastern Arborvitae; Variegated White Cedar <i>EVERGREEN ORNAMENTAL CONIFER; creamy to gold-tipped new needles; tolerant of air pollution & Black Walnut; 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) 4 - 7</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	N
Thuja occidentalis 'Spiralis' Spiral American Arborvitae; Spiral White Cedar <i>EVERGREEN ORNAMENTAL CONIFER; pyramidal habit to 40'; often with a single leader; interesting nubby medium to dark green foliage; tolerant of air pollution & Black Walnut; locate in full sun or light shade; adaptable to varying soil acidity & moisture - except extremes of either; native to eastern US & Canada; Zones 3 - 7</i>		8 - 10' 12 - 14' 14 - 16'	B&B B&B B&B	

13 Decision Way West
Washington Crossing, PA 18977-1125
www.phintuthill.com

represented by:

phone: (215) 321-4545
fax: (267) 397-2076
email: Phin@RPTuthill.com

Shagbark Farm Plant List: Fall 2023 / Spring 2024

BOTANICAL NAME	AVAIL.	SIZE	ROOTS	QNTY	
Tilia americana 'Redmond' American Linden; Basswood <i>DECIDUOUS SHADE TREE; fragrant but inconspicuous pale yellow flowers in late June; dark green summer foliage turns yellowish-green in fall; dense pyramidal head to 80'; locate in full sun to partial shade & most moist organic well-drained soil; US native (Plumfield Ns) [T. americana x T. euchlora] Zones (3) 4 - 7 (8)</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 5 - 6" c	B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____	N
Tilia cordata 'Greenspire' Littleleaf Linden <i>DECIDUOUS SHADE TREE; very fragrant yellowish flowers in late June; dark green foliage turns yellow in fall; distinct pyramidal heads reaching 60' tall & half or more as wide; liked by Japanese Beetles; locate in full sun & most soils; very tolerant of urban conditions; native to Europe; Zones (3) 4 - 7</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c 4 - 4.5" c 4.5 - 5" c 5 - 6" c	B&B B&B B&B B&B B&B B&B	_____ _____ _____ _____ _____ _____	N
Tilia tomentosa 'Sterling' Silver Linden <i>DECIDUOUS SHADE TREE; fragrant flowers in late June are not showy; vigorous grower with pyramidal head to 50' tall & half or more as wide; green summer foliage has a generous amount of tomentose 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</i>		3 - 3.5" c 3.5 - 4" c	B&B B&B	_____ _____	N
Tsuga canadensis 'Summer Snow' Variegated Canadian Hemlock <i>EVERGREEN ORNAMENTAL CONIFER; considered the best variegated Hemlock; will take more sun exposure than most, but some shade will enhance the color contrast; compact upright habit; adelgid can be controlled with adequate moisture; protect from winter winds in colder areas; 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; locate in full sun or full shade (partial shade for best foliage color) & moist well-drained acidic soils; native to US & Canada; Zones (3) 4 - 7</i>		8 - 10' 10 - 12'	B&B B&B	_____ _____	N
Ulmus americana 'Jefferson' American Elm <i>DECIDUOUS SHADE TREE; dark green persistent summer foliage turns yellow in fall; original plant on National Mall (DC) is broadly upright with arching branches to 70' tall by 50' wide at 70 years; tolerates 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</i>		3 - 3.5" c 3.5 - 4" c 4 - 4.5" c	B&B B&B B&B	_____ _____ _____	N
Ulmus americana 'New Harmony' American Elm <i>DECIDUOUS SHADE TREE; upright habit with arching branches to 70' tall & wide at maturity; yellow 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</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c	B&B B&B B&B	_____ _____ _____	
Ulmus americana 'Princeton' American Elm <i>DECIDUOUS SHADE TREE; green summer foliage turns yellowish in fall; upright habit with arching branches to about 75' tall by 50' wide; excellent lawn or shade tree; resistant to Dutch Elm disease but not most other problems; tolerates drought, salt, air pollution & black walnuts; locate in full sun or light shade & moist or wet to well-drained soil of any pH; native to US & Canada (Flemer) Zones 3 - 9</i>		2.5 - 3" c 3 - 3.5" c 3.5 - 4" c	B&B B&B B&B	_____ _____ _____	N

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Viburnum x burkwoodii Fragrant Viburnum <i>DECIDUOUS FLOWERING SHRUB; pink buds open to fragrant white flowers in April; glossy dark green foliage turns reddish in fall & is semi-evergreen in southern range; upright bushy habit to 10' tall & nearly as wide; locate in full to partial sun & neutral to acidic well-drained moisture retentive soil; Zones 5 - 8</i>		4 - 5' 5 - 6'	B&B B&B	_____ _____	
Viburnum dentatum Blue Muffin ('Christom') Arrowwood Viburnum <i>DECIDUOUS FLOWERING SHRUB; compact upright habit to 6'; masses of intense blue clusters of fruit follow profuse white flowers in May; deer browse resistant; locate in full sun or moderate shade; prefers well-drained soil but is very adaptable including coastal locations; native to US & Canada (PW) Zones (2) 3 - 8</i>		4 - 5' 5 - 6'	B&B B&B	_____ _____	N
Viburnum opulus subsp. americanum 'Alfredo' Compact American Cranberrybush Viburnum <i>DECIDUOUS FLOWERING SHRUB; white spring lacecap flower in mid to late May are minimal; sparse fruit changes from yellow-red to bright red in mid to late fall; spring foliage emerges brick-red before turning dark green then bright red in fall; compact bushy habit to about 6' tall by 6' wide; tolerate urban conditions; locate in full sun to partial shade & moist to well-drained acidic soil; native to US & Canada (Bailey) [newly named: V. opulus var. americanum] Zones 4 - 7</i>		4 - 5'	B&B	_____	N
Viburnum opulus subsp. trilobum <i>see: Viburnum subsp. americanum</i>				_____	
Viburnum plicatum f. tomentosum 'Mariesii' Doublefile Viburnum <i>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 light shade & well-drained moisture retentive soil; native to eastern Asia; Zones 5 - 7 (8)</i>		4 - 5' spr 5 - 6' spr	B&B B&B	_____ _____	
Viburnum plicatum f. tomentosum 'Shasta' Doublefile Viburnum <i>DECIDUOUS FLOWERING SHRUB; profuse 5" white cymes in May along the branches; red fruit in July matures to black over several weeks; dark green summer foliage turns purplish-red to maroon in fall; broadly spreading habit to 6' tall by 12' wide; locate in full sun to light shade & well-drained moisture retentive soil; PHS Gold Metal; native to eastern Asia (Egolf / USNA) Zones (5) 6 - 8</i>		5 - 6' spr 6 - 7' spr	B&B B&B	_____ _____	
Viburnum prunifolium Blackhaw Viburnum <i>DECIDUOUS FLOWERING SHRUB; small white flower clusters in May are a little malodorous; black fruit in September; purple-red fall foliage; upright habit to 15'; locate in full sun or shade & well-drained soil; drought tolerant; US native; Zones 3 - 9</i>		6 - 7' 7 - 8' 8 - 10'	B&B B&B B&B	_____ _____ _____	N
Viburnum x rhytidophylloides 'Alleghany' Lantanaphyllum Viburnum <i>DECIDUOUS FLOWERING SHRUB; dark heavy textured semi-evergreen foliage; creamy white flowers in May & occasionally in the fall; red fruit in September matures to black in October; upright to 10' tall & nearly as wide; locate in full sun to light shade & well-drained moisture retentive acidic soil [V. rhytidophyllum x V. lantana 'Mohican'] (Egolf) Zones (4) 5 - 8</i>		5 - 6' 6 - 7'	B&B B&B	_____ _____	N N
Viburnum trilobum <i>see: Viburnum opulus subsp. americanum</i>				_____	

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

31 / September 19, 2023

