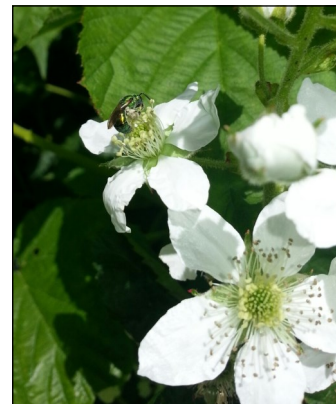




# PISCATAQUIS COUNTY SOIL AND WATER CONSERVATION DISTRICT

## 2017 TREE AND PLANT SALE

*Plant sale deadline is Thursday, March 16th.*



## ***THESE SALES HELP FUND OUR EDUCATIONAL PROGRAMS!***

### **FRUIT COLLECTIONS**

**Hybrid Plum Collection** (Z3) A package of 7 different trees to begin your plum orchard. Their choice of trees will include at least two pollinators. Plant trees in one cluster, with about 3-6' between trees. Plum trees pollinate best by letting the tree branches grow into one another. Bundle of 7 for \$185.00 #311A

**Apple Collections** chosen by Fedco's John Bunker, and may include varieties not listed in this catalog. Trees are individually labeled within each bundle.

**Hard-Cider Apple Collection** A bundle of 5 trees to begin your cider orchard. Contains 2-3 sharps or bitter sharps and 2-3 bittersweets. Will include 5 different varieties. **ME Grown.**  
Hard Cider Apple Collection, Bundle of 5 for \$135.00 #201A

**Heritage Apple Collection** A bundle of 5 trees to begin your own heritage orchard. Includes 5 different heirlooms traditionally grown in northern New England. **ME Grown.**  
Heritage Apple Collection, Bundle of 5 for \$135.00 #204A

**Grape Collection** Their pick of 4 varieties, a combo of hardy dessert and wine grapes. Great deal!  
Grape Collection, Bundle of 4 for \$50.00 #381A

**Crabapple Collection** A selection of 5 different crabapples to start your crabapple orchard.  
Bundle of 5 \$135.00 #492A

### **CHECK OUT OUR ORCHARD COMPANION COLLECTION ON PAGE 12.**

Companion plants encourage natural processes that benefit the overall health and vitality of fruit trees.

*All programs and services of the Piscataquis Soil and Water Conservation District are offered on a nondiscriminatory basis, without regard to race, color, national origin, sex, religion, age, disability, political belief, gender identity, sexual orientation, or marital and familial status. We are a non-profit organization and all proceeds from our programs stay within the local community to support local natural resource programs for all ages.*

# 2017 PCSWCD Tree and Plant Sale

The Piscataquis County Soil & Water Conservation District offers bare root stock plants each year to encourage plantings that protect the soil, enhance your landscape and foster wildlife habitat.

Our supplier for this tree and plant sale is Fedco Trees of Maine.

For more detailed information about products offered in our tree and plant sale, go to the Fedco Trees website at [www.fedcoseeds.com/trees](http://www.fedcoseeds.com/trees). Look to the bottom left of the page and click on Catalog Requests. Click on Fedco Trees Catalog, high resolution (2.5 MB).

## FRUIT TREES, BUSHES AND VINES

**M111 semi-dwarfing rootstock produces a tree that is about 65-80% of standard size. Can be planted 15-20' apart. The letter A stands for standard rootstock, the letter C indicates M111.**

**APPLES** - All apple trees offered require a second variety for pollination. All are hardy varieties. All are bare root and are an average of 3' tall when we sell them.

Cortland (Z4-5) Medium-large fruit. Excellent eating and cooking. Crisp, tender, juicy. \$29.25 #114A, \$29.25 #114C

Cox's Orange Pippin (Z4-6) Excellent eating apple. Crisp, juicy tender flesh. \$29.25 #115A

Freedom (Z4-7) High quality and disease resistant all purpose apple. Considered immune to scab and highly resistant to powdery mildew, cedar apple rust, fire blight. \$29.25 #123A

Grimes Golden (Z4-6) Tart crisp fruit for dessert and cooking. Makes a thick sweet cider. Good for storing. \$29.25 #129A, \$29.25 #129C

Honeycrisp (Z3-4) Medium large fruit, very crisp, sweet and juicy. Good keeper. Relatively small upright tree. \$29.25 #134A, \$29.25 #134C

Liberty (Z4-6) One of the best disease resistant varieties. Flavorful late fall dessert quality. Excellent for cooking & sweet cider. \$29.25 #139A, \$29.25 #139C

Macoun (Z4-6) Medium size, very juicy apple. Crisp white flesh with a sweet flavor. \$29.25 #142A

Milden (Z 3-5) Good for fresh eating or cooking. Whitish-yellow, juicy crisp flesh. Great storer. \$29.25 #146A

Moses Wood (Z4-6) Late summer tart dessert & cooking apple. Very juicy. Medium size fruit. \$29.25 #147A

Rhode Island Greening (Z4-7) The classic New England cooking apple. Green skin with light yellow-green crisp, tart flesh. \$29.25 #160A

Zestar (Z3-5) Hardy mid-late summer dessert apple. Juicy crisp flesh. \$29.25 #179A

**FLOWERING CRABAPPLES** - Most crabapples bloom annually in May just before the lilacs and make excellent pollinators for any apple. Prefer full sun.

Dolgo (Z2) 25x30'- Very hardy. Apricot pink buds, large fragrant 2" pure white single flowers bloom early. Purple-red 1 1/2" fruit makes ruby red jelly. Dependable pollinator for all apples. \$29.25 #497A, \$29.25 #497C

Mary Potter (Z4) 15x30' Apricot-white blossom, beautiful shape and masses of red persistent fruit for the birds. Masses of strongly fragrant flowers with no foliage visible. \$29.25 #503C

Prairiefire (Z4) 20x20' Red buds with rose pink flowers and 1/2" persistent red fruits. Excellent for wildlife. \$29.25 #505A, \$29.25 #505C

Purple Prince (Z3) 20x20' Single purple-pink flowers with purple-bronze foliage. 1/2" blue-purple persistent fruit. \$29.25 #507A, \$29.25 #507C

**HYBRID PLUMS** - Plant 3-6' apart and let the branches intertwine for maximum pollination.

American Plum Seedling (Z3) 15-20' Red, yellow and orange 1" fruit. Grows in thickets or singly. May be the best pollinator for hybrid plums. Plant one of these for every 3-4 plum trees. Extremely hardy. Great for fresh eating, canning, freezing. \$20.00 #312A

Black Ice (Z3) Large 2" blue black dessert plum. Very sweet and juicy. Use Toka or La Crescent as a pollinator. Compact tree. \$29.25 #313A

La Crescent (Z3-4) Yellow juicy flesh with yellow skin. Sweet, aromatic. Upright spreading tree. \$29.25 #316A

Toka (Z3) Sweet meaty flesh. Extremely vigorous tree. Good pollinator for other hybrid plums. \$29.25 #321A

**SWEET CHERRIES** - are not normally hardy in Maine. These are the hardiest Fedco offers. (3-6' trees)

Black Gold (Z4) Large beautiful glossy dark red fruit. Upright spreading growth habit. Late blooming, self pollinating. Has survived to -33°. \$29.25 #284A

Kristin (Z4/5) Large dark red or purplish black fruit. Firm, juicy sweet red flesh. Requires a second variety for pollination. Considered to be relatively hardy possibly including protected areas of Zone 4. \$29.25 #285A

# 2017 PCSWCD Tree and Plant Sale

**HIGHBUSH BLUEBERRIES** - Plant in moist but moderately well-drained light acidic soil. Must plant at least two varieties for pollination, but planting three or more varieties is recommended for pollination. Bears first crop 3-7 years after planting. **Plant blueberries instead of burning bush for red fall color.** (1-2' 2 yr. transplants)

Blueray (Z4) 4-6' Very tasty large, firm dark blue berries. High quality dessert berries. \$13.75 #348A

Elizabeth (Z4) 5-6' Dense clusters of large sweet/tart fruit. Stores well in refrigerator. \$13.75 #349A

Jersey (Z4) 5-7' Medium to large dark blue berries. Vigorous hardy bush. \$13.75 #351A

North Country (Z3) Lowbush-highbush cross with bright blue small-medium fruit. Mild sweet wild blueberry flavor. Snow protection increases yields. \$13.75 #353A

**LOWBUSH BLUEBERRY** (Z2) 4" wide bare root seedlings from Monroe, ME. Single plants. \$13.75 #345A, Bundle of 5 \$58.00 #345B

**HIGHBUSH CRANBERRY** 8'-12'x 8'-12' Prefers rich moist well drained soils in sun or shade. Tolerates dry soils high in organic matter. Fruit can be used in juice, jam and fruit leather. Self pollinating. (1-3' seedlings)

Phillips (Z2) Superior flavor. Jells without additional pectin. \$15.50 #580A

Highbush Cranberry Seedlings No two seedlings are exactly alike. Add to the biological diversity of your garden. \$14.50 #581A, Bundle of 5 for \$67.50 #581B

## LOWBUSH CRANBERRY

Stevens American Cranberry (Z2) Dense, low evergreen ground cover. Prefers moist acidic soil, will grow in dry. Large red berries. Self pollinating. (1 gallon pot) Comes in a 6" clump, can be planted as a whole or carefully divided. \$20.00 #600A

## EVERBEARING RASPBERRIES

Everbearing types bear on first year canes. They can be cut back or die to the ground and still produce a sizable crop the following year.

Anne (Z4) Sweet pale yellow fruit, ripens in fall. Cut to ground after season is over. Bundle of 10 for \$29.50 #334A

August Red (Z3) Hardy, medium large crimson fruit with excellent flavor. Compact 3' bush. Produces midsummer. Bundle of 5 for \$29.50 #335A

Polana (Z4) Large firm berries with very good flavor on vigorous, productive short canes. Suckers freely. Bundle of 10 for \$29.50 #336A

## RASPBERRIES SUMMER BEARING

Bear on second year canes.

Boyne (Z3) Strong aromatic tart raspberry flavor. Extremely hardy. Great for processing. Bundle of 10 for \$29.50 #337A

Latham (Z3) Large bright red 1" sweet fruit. Great for fresh eating, canning, freezing, jam and pies. 4-5' canes. Bundle of 10 for \$29.50 #338A

Prelude (Z4) Early, very large red fruit that may produce a second fall crop. Mild and tasty. Suckers freely. Bundle of 10 for \$29.50 #339A

Royalty Purple (Z3/4) Deep purple fruit with a hint of blackberry taste. Great for eating, jams and jellies. Bundle of 5 \$29.50 #340A

**PEARS** - Although some pears appear to be self-pollinating, planting a second variety for pollination is recommended. Plant 15-20' apart.

Cabot Vermont (Z4) Med-large, oblong fruit with yellowish sweet flesh. Extremely juicy. Very hardy dessert pear. \$29.25 #228A

Dana Hovey (Z4) Small, sweet golden yellow pear. Keeps extremely well. No scab. \$29.25 #231A

Nova (Z3) Large yellow dessert pear with juicy flesh. Great for canning. \$29.25 #244A

Stacyville (Z3) Medium size sweet fruit which is good for cooking or eating. Tall tree. Rare. \$29.25 #248A

**LINGONBERRY** - Vigorous shallow rooted spreading groundcover that is related to blueberries and cranberries. Bright red glossy nutritious fruits that are tart until dead ripe. Can be eaten fresh, but primarily used in sauces, jams, juices and wines. Berries store up to 2 months refrigerated. Prefers full sun and poor sandy acid soils. Plant 12-18" apart in rows 3-4' apart. To ensure good fruit production, plant more than one variety. (potted transplants)

Erntesege (Z2) 12-15". High yielding upright plant produces very large berries. Slightly acid sweet fruit. \$15.50 #L603A

Red Sunset (Z2) 8-15" Medium to large firm flavorful berries. A vigorous cultivar. \$15.50 #L606A

Regal (Z2) 8-15" Highly ornamental upright plant produces firm small to medium berries with good flavor. Easily transplanted. \$15.50 #L607A

Sussi (Z2) 4-8" Vigorous bush with moderate yields of medium berries that fruit on branch tips. Great pollinator for other varieties. \$15.50 #L609A

Lingonberry Collection Get your patch going and boost pollination with this collection of 4 plants, each a different variety. Bundle of 4 for \$52.00 #L610A

# 2017 PCSWCD Tree and Plant Sale

**PEACHES** are usually unaffected by pests or diseases in northern areas, the exception being peach leaf curl. Peaches fruit on last year's growth. Prune peach trees in May, once they leaf out. Never prune off all your new growth. **Peach trees do not need a second tree for pollination.** Plant 15-20' apart. (3-6' trees)

Garnet Beauty (Z4/5) Medium to large yellow fleshed, semi-clingstone fruit with excellent flavor. Vigorous and productive tree. Good bud hardiness. Recommended for colder districts. \$29.25 #302A

Polly (Z4/5) Medium size high quality, white fleshed freestone fruit. Whitish skin with a reddish blush. Reliable. Considered the hardiest white fleshed peach. \$29.25 #305A

Reliance (Z4/5) Considered the hardiest peach. Medium size, roundish freestone. Dull red blush over greenish yellow skin. Often produces large crops. Bears at an early age. \$29.25 #307A

**CORNELIAN CHERRY** (Z4/5) 20-25'x15-20' Bright red pear-shaped fruit in late summer. Clusters of small delicate yellow flowers cover the leafless tree in early spring. Prefers well-drained soil in full sun. Partially self fertile.

Elegant Good for fresh eating. 1 1/4" long sweet fruit. Has pits. (2-5' seedlings) \$25.00 #457A

Pioneer Good flavored 1 1/2" pear shaped fruit. Firm flesh is easy to pit. \$25.00 #458A

Beach Plum (Z3) 6'x5-6' Rounded dense suckering shrub. Showy white blooms in spring. Purplish red 1/2-1" fruit in late summer. Excellent jams, sauces and jelly. Plant about 5' apart. **Recommend planting at least two for good fruiting.** (1'-3' seedlings) \$14.50 #527A, Bundle of 5 for \$65.00 #527B

## Growing Grapes on an Arbor

Train one or more vines onto an arbor or gazebo; Fedco has 8 vines, spaced about 10' apart. Prune each vine back to a single trunk. Encourage several permanent arms from each trunk. Every winter remove 70-90% of the past summer's growth. Next summer new fruiting canes will grow off the permanent arms.

**WINTERBERRY** (Z4) Deciduous suckering holly with clusters of upright stems. Bright red 3/8" berries. Lustrous deep green foliage. Tolerates dry, but prefers moist or wet acidic soil. Sun or part shade. **Male and female plants needed for fruit.** Plant males within 30' of females. (1-3' seedlings)

Sparkleberry 12'x8-12' Abundant bright red berries persist late into winter. Large, upright form with spreading habit. **Southern Gentleman male required for fruit.** \$14.25 #478A

Winter Red 9'x8' Female. Mid-size with darker green foliage. **Southern Gentleman male required for fruit.** \$14.25 #479A

Southern Gentleman 6'x6' Male. Extremely hardy male holly with dense, rich deep green foliage on an upright, rounded form. One will pollinate several females. \$14.25 #480A

Red Sprite 3-5'x4-8' Female. Dwarfing variety great for smaller spaces. Attractive low loose, rounded form. **Jim Dandy male required for fruit.** \$14.25 #481A

Jim Dandy 3-6'x4-5' Male. Extremely hardy with rich deep green foliage on a dense twiggy oval-rounded form. Small white flowers line branches in mid-July. One will pollinate several females. \$14.25 #482A

Spicebush (Z5) 6-12'x8-12' Large rounded, multi-stemmed native shrub suited to naturalizing in moist or wet areas. Soft yellow flowers in early spring followed by small clusters of glossy red berries by mid to late summer. Blue green foliage turns golden yellow in fall. Edible berries. Full sun, but will tolerate shade. These are unsexed seedlings; **male and female plants required for fruit** so plant several for best results. (1-3' seedlings) \$14.25 #485A, Bundle of 5 for \$62.00 #485B

Seven-son Flower (Z4/5) 10-20'x8-10' Small showy multi-stemmed tree or large shrub with panicles of sweetly fragrant clusters of seven small white flowers in late summer. The flower sepals turn pink contrasting with the distinctive green foliage. Full sun to part shade. Slightly acid moist well drained soil, but will adapt to wet clay and dry conditions. (1-3' seedlings) \$17.50 #476A

***He who plants a tree plants hope. A treeless place cannot be a happy home for children, or wife, or husband, or friends. He who surrounds himself with trees surrounds himself with friends. Not only do they present you with healthful and toothsome fruits, but with cool shade and fragrant blossoms. - from Green's Nursery Catalogue, 1904***

# 2017 PCSWCD Tree and Plant Sale

**HOLLYHOCK** (Z3) Produce towering spires covered with flowers for extended bloom from June to October. These are first year flowering cultivars which are perennial, not biennial. Cut back to 12" after flowering has finished to encourage root growth. Plant 12" apart. Grows 5-6' tall. (3 1/2" plug stock.) Supplies may be limited so order early.

Black Knight Dusky midnight-purple with a tiny yellow eye. \$4.50 #L678A, 3 for \$11.75 #L678B, 6 for \$22.00 #L678C

Mars Magic Bright red flowers. \$4.50 #L679A, 3 for \$11.75 #L679B, 6 for \$22.00 #L679C

Radiant Rose Bright rose pink flowers. \$4.50 #L680A, 3 for \$11.75 #L680B, 6 for \$22.00 #L680C

**DAYLILY** (Z2) Low maintenance perennial produces a bush of narrow arched leaves topped with lily-shaped flowers from July to September. Full sun to shade, wet to dry soil. Plant 12-18" apart in average soil.

Bela Lugosi Dark purple blossoms with gently waved petals, greenish gold centers and lime green throats span 6" across. 33" tall. \$7.00 #L707A, 3 for \$17.75 #L707B

Brave World Rosy red 6" flowers have slightly ruffled edges with tangerine throats. Midseason re-bloomer. 27" tall. \$6.50 #L708A, 2 for \$11.25 #L708B

Fragrant Returns Sweetly scented 4" lemon yellow flowers with ruffled edges. Ever-blooming variety starts early and goes till frost. \$5.25 #L709A, 3 for \$13.75 #L709B

Regency Heights Cascading slightly ruffled and recurved lavender petals with expansive lemon yellow throats. Blossoms span 6" across. Midseason extended blooms. 34" tall. \$5.25 #L710A, 3 for \$13.75 #L710B

Siloam David Kirchoff Orchid lavender flowers with cerise eye-zones and apple green throats. Petite blossoms span 3 1/2". Early to midseason blooms. 16" tall. \$6.50 #L711A, 3 for \$15.00 #L711B

**LAVENDER** Sweet scented flower spikes above aromatic silvery green leaves. Plant 12-24" apart in full sun, well drained soil. Mulch to prevent heaving in winter.

Hidcote (Z5) Deep dark purple flowers. 16-18" tall. \$6.50 #L767A, 2 for \$11.25 #L767B, 3 for \$15.00 #L767C

Munstead (Z4) Considered the hardiest lavender. Light lavender flowers. 16-18" tall. \$6.50 #L768A, 2 for \$11.25 #L768B, 3 for \$15.00 #L768C

**ORIENTAL POPPY** (Z3) Clump-forming perennials with finely cut, bristly, frosty-green leaves. Crepe-paper blossoms give way to unique seedpods. The entire plant goes summer-dormant. Don't be alarmed when the leaves turn brown in early summer and disappear almost entirely by August. Oriental poppies form a taproot so loosen soil deeply before planting so roots can reach the cool soil with ease. Requires full to part sun, neutral well drained soil. Winter mulch is recommended to prevent heaving.

Little Patty's Plum Dusky damson plum colored blossoms. 20" tall. \$6.50 #L736A, 2 for \$11.00 #L736B, 3 for \$14.75 #L736C

Turkenlouis A fiery sunburst of orangey-red fringed and ruffled blossoms. 24-36" tall. \$6.50 #L737A, 2 for \$11.00 #L737B, 3 for \$14.75 #L737C

Japanese Iris Mix (Z4) The largest blooms among iris, usually 5" across, beardless, 3-4 flowers per stem. Arching narrow leaves form graceful clumps. Often takes two years to establish. Prefers moisture during active growth and flowering, mid to late June and possibly into July. Plant 6-8" apart in slightly acid soil, full sun or part shade with rootstock just below soil level. 36" tall. 3 for \$20.25 #L716A, 6 for \$35.00 #L716B

Tall Bearded Iris Mix Hardy perennial and fine cut flower with multiple 3-6" blooms on each flower stalk. Mix contains solid colors or stripes. Soft subtle apricot and pinks, bright bold orange, ruby, purples, blues. Sword shaped foliage. Plant rhizomes horizontally, less than 1" deep, in clusters with new growth facing outward. Full sun and light limey well drained soil. May take a year to establish before blooming. Divide every 4-5 years. (3 1/2" plug stock) 3 for \$23.50 #L717A

Northern Blue Flag (Z2) Blue violet flowers with bold purple veining and a white and lemon yellow blaze. Tall slender blue green arching lance shaped leaves. Requires consistently moist soil and prefers 2-4" of shallow standing water. Plant in full sun to part shade. 36" tall. 3 for \$9.50 #L718A, 6 for \$16.50 #L718B

Blazing Star Liatris (Z3) Stiff dense magenta purple flower spikes above fine grass-like foliage. Blooms from July to September. Plant in full sun, 3" deep, 8-12" apart, in well drained fertile soil. 20-30" tall. New jumbo size. 2 year old corms will produce 3-4 stems each. 5 for \$4.25 #L719A, 10 for \$7.50 #L719B, 25 for \$16.25 #L719C

# 2017 PCSWCD Tree and Plant Sale

## ASPARAGUS

Asparagus require fertile soil with pH of 6.8-7.2 and high levels of phosphorus. Plant as soon as the ground can be worked. Plant 14-18" apart, 6-10" deep, in trenches 4' apart. Can dig trenches deeper and add 4" of compost and rotted manure. Lay plants with crowns up and cover with 2" of soil. As young shoots grow, add soil gradually just covering the shoots, until the trench is full. Mulch heavily to control weeds. Second summer add lime, rock fertilizers and nitrogen as needed. Control weeds, but do not injure crowns. Later years same routine, but increase fertilizer. Harvest sparingly the second year.

Jersey Supreme (Z4) (large rooted 1 year crowns) All male hybrid. Produces high yields of large diameter tender spears. Bundle of 25 for \$25.00 #L615A

Purple Passion (Z4) (large rooted 1 year crowns) Very large deep purple stalks with a creamy white interior. Sweeter and less stringy than green counterparts. Bundle of 25 for \$25.00 #L616A

## FLOWERING TREES AND SHRUBS

**CHOKEBERRIES** (Z3-4) Begins to fruit in 3rd year and increases to full yield around 5 years. Songbirds love the fruit if not harvested. Adaptable to wet or dry areas, sun or partial shade. Self fruitful. 1-3' seedlings

Chokeberry Brilliantissima 6'-8'x3'-4' Native shrub with red berries, small showy white flowers. Brilliant fall foliage. **Great alternative to invasive burning bush.** \$14.50 #442A

Red Chokeberry Seedlings 6'-10'x3'-6' Each one is genetically unique. Beautiful in mass plantings and borders. \$13.50 #443A, Bundle of 5 for \$55.00 #443B

Black Chokeberry Seedlings 3-6' x 3-6' Plant several for an attractive edible hedge. \$13.50 #446A, Bundle of 5 for \$55.00 #446B

Regent Juneberry (Z2) 4'-6'x4'-6' Compact shrub with purple magenta sweet berries good for eating fresh or in cooking. Ripens in mid July in central Maine. White flowers in spring, red orange fall color. Plant in well drained fertile soil and full sun. (1'-3' seedlings) \$15.00 #438A

Allegheny Serviceberry (Z2) 15-25' Purplish-orange bronzed color spring foliage. Pendulous white blossoms precede the leaves. Berries ripen midsummer. Well drained acid soils. \$15.00 #439A

Siberian Pea shrub (Z3) 15-20' Nitrogen-fixing bright green upright multi stemmed shrub well-suited to windbreaks, hedges and borders. Yellow flowers in spring followed by seed pods that turn golden yellow. Easy to grow in full sun. Self-fertile. (1'-3' seedlings) \$14.25 #450A

Redbud (Z4) 25-30'x25-30' Small vase shaped single or multi stemmed tree. In early spring clusters of purplish pink pea like flowers fill the tree. Nitrogen fixing. Early season nectar plant for bees. Sun or part shade, (2-4' seedlings) \$16.00 #453A

Nannyberry (Z2) 15-20'x10-12' Also called Sweet Viburnum. Large open vase shaped suckering shrub with edible oval berries that turn from green to yellow to red to blue black raisins that persist in winter. Great for birds. Large clusters of fragrant creamy white flowers in spring. Purplish red foliage in fall. Self fertile, but plant two or more for better pollination and fruit productions. Sun or shade. (1-3' seedlings) \$14.50 #578A

Adams No. 1 Elderberry (Z3) 7-8' tall. Large berries and fruit clusters. Excellent for preserving and fresh eating. Very large, vigorous strong productive bush. \$17.00 #551A

York Elderberry (Z3) 4-5' tall. Heavy clusters of large mildly tart fruit. Bright green foliage on a rounded shrub. Jams, jellies, pies and wine. \$17.00 #559A

'Tardiva' Hydrangea (Z3) 8-12'x7-10' Upright terminal white flower panicles 6-8" long. Elegant blooms July-September. They develop a pinkish blush with cooling temperatures. Vigorous plants like rich, moist well drained soil and thrive in full sun to part shade. One of the hardiest hydrangeas. \$14.25 #477A

'Meadowlark' Forsythia (Z3) 6-11'x6-11' One of the most reliably flowering with bud hardiness to -35°. Semi arching habit, bright yellow blooms then healthy green foliage through summer. Adaptable, prefers moderately fertile, slightly acid to neutral soils with good drainage. Best in full sun. (1-3' seedlings) \$14.25 #474A





# 2017 PCSWCD Tree and Plant Sale

## WILLOWS (Salix)

Coral Bark Willow (Z2) 15-30'x12-15' Fast growing shrubby tree with highly ornamental "coral" red bark. Deep red stems will dry to a rust red if cut and put in a dry vase. Likes water, adaptable to a wide range of soils and conditions. Full sun to light shade.  
\$13.00 #543A

"Nana" Blue Leaf Arctic Willow (Z3) 3-5'x3-6' Medium size spreading shrub with narrow blue foliage (green above, blue beneath). The stems sucker, layer and form a thick highly attractive ornamental mass. Excellent for banks or hedges. Likes wet areas.  
\$13.00 #546A

"Sekka" Japanese Fantail Willow (Z4) 10-15'x10-15' Wide dense spreading shrub with ornamental branches that are flat and curled. Yellow catkins in spring for pollinators. Glossy green foliage in summer, yellow in fall. Great hedge or low windbreak. Grows anywhere.  
\$13.00 #547A

## FERNS



Eastern Maidenhair Fern (Z2) 10-12" tall. Delicate whorled form with glossy black stems that curve up and then droop toward the ground. More narrow black stems grown in arches from the main stem. Plant 12" apart. \$3.00 #L702A, 3 for \$8.00 #L702B

Ostrich Fern (Z2) 3'-6' tall. One of the largest hardy deciduous ferns. Bright green frond tips that curl like ostrich feathers. Will form large colonies. Likes open shade, woods, and wet banks. Tolerates sun in swampy areas. \$5.50 #L704A, 3 for \$14.00 #L704B

Royal Fern (Z3) 6' tall x 9' wide at maturity. One of the showiest garden ferns, makes a great focal point. Soft and wavy deciduous lance shaped light green fronds. can reach 3' long. \$3.00 #L705A, 3 for \$8.00 #L705B

Bayberry (Z2) 5-10'x5-10' Rounded deciduous semi-evergreen very salt tolerant shrub. Full sun to partial shade in sandy poor soils to heavy clay soils. Small greyish blue waxy berries are highly aromatic. Excellent in masses or hedges. Plants feed many wildlife species and are craved by swallows. **Male and female plants required for good fruit development.** Offering unsexed plants so plant several if you desire fruit. (1-3' seedlings)  
\$15.00 #523A, Bundle of 5 for \$65.00 #523B

Ginkgo biloba (Z3) 50'-80' Considered the oldest living genus of seed plants. Upright tree with unique fan-shaped foliage turns golden yellow in fall. All at once the leaves drop and within hours it's bare. Slow growing. Prefers slightly acid well drained soil, but is adaptable. Male and female tree required for fruit. **Plant two or more for fruit.** (1-3' seedlings)  
\$16.00 #415A, Bundle of 5 for \$70.00 #415B

## EVERGREENS

Arborvitae (Z2) 20-60' Also know as Eastern White Cedar. Narrow and tall with flat foliage. Slow growing. Thrives in rich moist marshy soils. Good for screens and hedges. (9-18" seedlings)  
Bundle of 5 for \$19.00 #434A

Balsam Fir (Z3) 45-75' Narrow, conical smooth barked. Fragrant boughs used in wreaths, needles used in scented pillows. Prefers well drained moist acid soil. Slow growing. (12-16" seedlings)  
Bundle of 5 for \$19.00 #427A

Colorado Blue Spruce (Z2) 30-60' Popular specimen tree with truer blue foliage than other varieties. Fast growing after 3'. Does not like wet soil. Extra spring nitrogen will improve blue color, which doesn't appear for the first few years. (9-18" seedlings)  
Bundle of 5 for \$19.00 #531A

Eastern White Pine (Z3) 100' or more. Magnificent and massive when mature. Likes ordinary to poor soil. Shade tolerant. Fast growing. (9-18" seedlings)  
Bundle of 5 for \$19.00 #433A

Norway Spruce (Z2) 80' Fast growing wide spreading upright tree with graceful, long pendulous branches that often reach the ground. Largest of the spruces. Showy 4-6" cones. Prefers loam, but does well in poorer soils. (9-18" seedlings)  
Bundle of 5 for \$19.00 #429A

Dawn Redwood (Z4) 100' Wide irregular trunk with iridescent golden-orange bark that becomes deeply grooved as it ages. Bright green deciduous needles turn orange in fall. Grows quickly, up to 50' in 15-20 years. Prefers moist well drained slightly acid soil in full sun. (1-3' seedlings) \$15.00 #428A

# 2017 PCSWCD Tree and Plant Sale

## GROUNDCOVERS

Bearberry (Z2) Low growing glossy evergreen spreading groundcover. One plant can spread to 15'. Small pinkish white flowers in spring. Small bright red berries in late summer. Prefers poor sandy infertile acid soils. Set plants 1'-2' apart. Sun or partial shade. Self fertile. (potted transplants) \$14.25 #L596A

Red Creeping Thyme 2-4" tall. Dense flat mats of dark fragrant evergreen leaves are quickly blanketed in outstanding magenta red flowers. Bees love it. Plant in full sun, moist, well drained soil. \$6.50 #L748A, 2 for \$11.25 #L748B, 3 for \$15.00 #L748C

***Calluna vulgaris* Heather** (Z4) Evergreen groundcover with flowers in late summer. Great for pollinators. Plant about 18" apart and let it spread. Does not like high fertility or wet spots. (4" pots)

Aurea 8x16" Gold-lime foliage with pinkish-purple flowers August-September. Copper-red in winter. Vigorous low spreading plants. \$11.00 #L597A

Red Fred 14x18" Early spring growth is red and deepens with warm weather. Foliage greens in summer and sets flower buds. Pink bell-shaped flowers in August-September. Upright mounding habit. \$11.00 #L598A

Wintergreen (Z3) Glossy dark green evergreen leaves. Nodding bell-shaped waxy white flowers bloom in June, red berries follow. Leaves turn to burgundy in fall. 6-10" tall and 1-3' wide. Plant 16" apart in dappled shade in moist, but not boggy woodland soil. **Self pollinating.** (nursery propagated 3.5" plugs) \$8.00 # L599A, Bundle of 3 for \$20.00 #L599B

*Diervilla lonicera* Northern Bush Honeysuckle (Z3) 2-4'x2-5' Extended season bloomer. Native. Attracts pollinators. Bright yellow tubular flowers. Clusters of flowers form in the axils of new growth. Dark green leaves. Good for erosion control or mass planting. Full sun to light shade. Tolerates poor soil. (1-3' seedlings) \$14.25 #471A

## BUSH HONEYSUCKLE

This pretty little shrub is found along our rocky hills and mountains. The blossoms appear in early summer, and form a good example of nectar-bearing flowers. The lower lobe of the corolla is crested and more deeply colored than the others, thus advising the bee of secreted treasure. When the blossom has been despoiled and at the same time fertilized, for the nectar-seeking bee has probably deposited some pollen upon its pistil, the color of the corolla changes from a pale to a deep yellow, thus giving warning to the insect-world that further attentions would be useless to both parties. - *from How to Know the Wild Flowers by Mrs. William Starr Dana, 1893*

## NATIVES

Cardinal Flower (Z3) Deep green rosettes will produce tall green to burgundy tinted stems. Long tubular scarlet flower spikes draw hummingbirds and butterflies. Short lived perennial. Best planted in light shade to full sun in consistently moist soil. Mulch to reduce weed competition the first year. 4' tall. \$7.25 #L726A, 2 for \$12.50 #L726B, 3 for \$16.75 #L726C

**Trillium** (Z4) Will gradually build a woodland colony. Grows in moist rich woods, full or part shade. 8-18" tall.

Red Velvety maroon flowers. 3 for \$11.00 #L750A, 6 for \$18.50 #L750B

Great White Large pure white flowers. 3 for \$11.00 #L751A, 6 for \$18.50 #L751B

Yellow Tiny upright lemon yellow flowers sit on top of multicolored green leaves mottled with silver. 3 for \$11.00 #L752A, 6 for \$18.50 #L752B

## NATIVE SPRING EPHEMERAL PLANTS

Spring Beauty (Z6) Clusters of 5-petaled star shaped blossoms are white to light pink with darker pink veining. Attractive deep green grass-like foliage. Plant 6-10" apart in dappled sun or shade under established trees. Moist well drained woodland soil. 3-6" tall. 3 for \$6.50 #L691A, 6 for \$11.25 #L691B, 12 for \$19.75 #L691C

Yellow Trout Lily (Z3) Also known as Dog Tooth Violet. Bright yellow nodding blossoms appear singly in March and last into April above trout shaped olive green basal leaves with reddish brown mottling. Forms a dense ground cover over time. It could be up to 5 years before it flowers. Plant in dappled shade under established trees in moist well drained slightly acidic woodland soil. 6" tall. 3 for \$18.25 #L701A, 6 for \$31.00 #L701B, 12 for \$56.00 #L701C

Bloodroot (Z3) Solitary 1 1/2" white flowers with 8-12 petals emerge from tightly rolled leaves. Low growing gray green leaves are lobed and scalloped, spanning 4-8" across. Forms a colony over time. Plant in moist rich well drained shaded woodland soil. **Wash hands after handling.** 3 for \$11.00 #L743A, 6 for \$18.50 #L743B, 12 for \$30.00 #L743C

Dutchman's Breeches (Z3) White yellow tipped flowers look like tiny pantaloons suspended above intricately cut grey green foliage. Blooms in April-May. Thrives in any moist, but not soggy woodland setting in part shade. 8-12" tall. 3 for \$9.50 #L695A, 6 for \$16.50 #L695B, 12 for \$29.00 #L695C



# 2017 PCSWCD Tree and Plant Sale

**Clematis** (Z4) Perennial vine. Plant in rich, well drained soil. Mulch to keep roots cool and evenly moist. Needs support.

**Ernest Markham** Velvety magenta-red star-shaped flowers with golden anthers. Heavy bloomer in late summer and fall. Full sun or part shade. 8-16' tall. \$13.50 #L692A, 2 for \$23.00 #L692B, 3 for \$31.00 #L692C

**Fujimusume** Large single wisteria-blue blossoms. Excellent choice for container planting, but will thrive directly in the ground. Keep the roots cool. Plant in full sun. 6-8' tall. \$14.50 #L693A, 2 for \$25.00 #L693B, 3 for \$34.00 #L693C

**Delphinium-New Millennium Stars Mix** (Z3) This hybrid series mix of first year flowering delphiniums feature Black Eyed Angels, Blue Lace, Cobalt Dreams, Lilac Ladies, Moonlight Blues to name a few. Elegant cylindrical terminal flower spikes rise 3-6' above waist high clumps of palmate glossy green foliage. They develop thicker, sturdier flower stalks than others and are considered more tolerant to heat and humidity, yet they thrive in colder areas. Avoid overhead watering to prevent disease. Mulch recommended to keep the roots cool and moist. Side dress regularly with compost for best bloom. Plant 32" apart in highly fertile, non-acid loam. Light shade is best, but full sun is fine. 60" tall. \$5.75 #L694A, 3 for \$14.50 #L694B, 6 for \$26.00 #L694C

**"Walkers Low" Catmint** (Z) Aromatic gray green foliage with long arching stems topped by lavender-blue flowers. Creates a strong dependable low growing hedge along a garden path. Attracts pollinators. Likes hot and dry, but will grow in any well drained soil, full sun to part shade. 2-3' tall. \$6.00 #L727A, 3 for \$15.25 #L727B, 6 for \$28.00 #L727C

**Baikal Skullcap** (Z4) 1-4' tall. Shiny green lance shaped leaves and vibrant monkshood shaped indigo blue blossoms. Plant in partial shade, 1-2' apart in light, well drained soil. \$7.25 #L772A, 2 for \$12.50 #L772B, 3 for \$16.75 #L772C

**Wood Betony** (Z4) Dense whorls of pink to reddish-purple flower clusters form on square stems held above aromatic dark green scallop toothed leaves. Grows well in the garden or will naturalize at the edge of the woods. Plant 12" apart in full to part sun, in moist well drained soil. 18" tall. \$7.25 #L773A, 2 for \$12.50 #L773B, 3 for \$16.75 #L773C

**Hyssop** (Z3) Vivid blue-violet double lipped flowers on spikes blossom from June-September. Dark green leaves. Thrives in dry soil, useful on slopes and difficult sunny places. 12-20" tall. Plant 12-24" apart in poor soil, full sun to light shade. Draws bees. \$7.25 #L766A, 2 for \$12.50 #L766B, 3 for \$16.75 #L766C

**Yarrow** (Z3) White flowers bloom June-September. Beautiful addition to the perennial border and an excellent orchard companion. \$6.50 #L754A, 2 for \$11.25 #L754B, 3 for \$15.00 #L754C

**"Strawberry Seduction" Yarrow** (Z3) 2-3" flat topped heads of strawberry-red flowers with small bright yellow eyes. Dark green aromatic fern-like foliage. Prompt dead-heading guarantees a long season of blooms. Plant crowns 12-24" apart in well drained soil, full sun to part shade. 18-24" tall. \$6.75 #L675A, 3 for \$17.75 #L675B, 6 for \$31.50 #L675C

**Columbine** (Z3) Round lobed leaves emerge in early spring. Nodding blossoms form on stems above the foliage. The slender spurs are filled with nectar. Blooms from late May to early June. Prefers light, moist, well drained soil. Plant 12-18" apart in dappled shade to guarantee the best color.

**Wild Columbine** Northeast American native features red spurred sepals with yellow petaled skirts. 12-24" tall. 3 for \$9.50 #L681A, 6 for \$16.50 #L681B, 12 for \$29.00 #L681C

**"McKana Giants"** Longer bloom time than the wild columbine. Giant flowers with long spurs & a bright bold assortment of colors, including bi-colors. 24-30" tall. \$3.00 #L682A, 3 for \$8.00 #L682B, 6 for \$14.00 #L682C

## Planting Instructions for Bare-Root Perennial Plants

For the first growing season, let new perennials focus on root growth. Once established, usually in the second year, they are vigorous and floriferous. **When you receive your order**, open the bags and check the stock immediately. Roots and crowns should be firm and pliable, not soft or brittle. If they are slightly dry, add a little water or, if they are going to be potted up soon, soak the roots. Generally, a little surface mold is harmless and will not affect the plant's future performance. If you cannot pot them up immediately, store them in a cool (35-40°) location for a short time.

**Pot up the rootstock** in well-drained potting mix. Most plants need a deep 6" pot or a 1-gallon container. Avoid coiling the roots in the bottom of under-sized containers. Grow newly potted perennials for a few weeks in a protected location in indirect light at 50-60° and keep from freezing. Wet and/or cold conditions for an extended period may cause rotting. Begin feeding when new growth appears. Keep dry fertilizers away from plant crowns. Use animal manures with caution as they can promote fungal and bacterial diseases.

**Transplant outside** once they show some top growth and the danger of frost has passed. Dig a hole about twice the size of the pot, loosening the surrounding soil and adding compost or fertilizers as necessary. Generally, plant the top of the crown just below ground level, less than an inch from the surface of the soil. All perennials appreciate a fall mulch and a side dressing of compost or leaf mold in the spring.

# 2017 PCSWCD Tree and Plant Sale

## POLLINATORS

Pollinators play an important part in our world. Bees, bats, butterflies, birds, and more help pollinate our fruit trees and vegetables. Without them we would not be able to produce crops to feed ourselves. They require little to bring them in to our yards and gardens. Provide water, shelter and food like most of the plants listed in our flyer and you will entice pollinators to your yard. It is a win-win situation growing gardens and orchards because wildlife benefits and humans get to enjoy the sounds, sights, tastes and smells of the garden.

## POLLINATOR PLANTS AND GOOD SOURCES OF NECTAR

"Perfect Storm" Hardy Hibiscus (Z4) 3' tall. Vigorous plant with 7-8" wide disc-shaped flowers that are white edged in light pink with a bright red eye. One of the last plants to emerge in spring. Starts blooming mid to late summer until frost. Full sun, average soil. Plant 18-24" apart. \$10.50 #L712A, 3 for \$24.00 #L712C

Wild Geranium or Spotted Cranesbill (Z4) 24" tall. Clusters of single pinkish-lilac saucer shaped flowers. Foliage turns reddish orange in autumn with long narrow seedpods. Plant in lightly shaded areas. Plant 12-18" apart in average soil. 3 for \$6.50 #L706A, 6 for \$11.25 #L706B, 12 for \$19.00 #L706C

Goliath Phlox (Z3) 26-30" tall. Giant spreading clusters of fragrant lilac purple flowers with starry white spokes and dark eyes. The flower heads are twice the size of normal phlox. Blooms mid to late summer. Mildew resistant. Prefers humus rich soil that stays cool and moist in summer. Side-dress regularly. Plant 2' apart in full sun to part shade. \$5.75 #L739A, 2 for \$10.00 #L739B, 3 for \$13.00 #L739C

Solomon's Seal (Z3) Forms clumps of graceful arching stems about 3' long. Greenish white bell shaped tubular flowers dangle from the stems in late spring. Ideal for shade or woodland gardens. 3 for \$6.50 #L740A, 6 for \$11.25 #L740B, 12 for \$20.00 #L740C

Asters (Z4) Have freely branching sprays of brightly colored flowers in the fall. Add to the back of the border. Will naturalize on banks or in meadows. Plant 12"-18" apart in light moist humusy soil in full sun with good air circulation. Great late season flower for pollinators.

New England Blooms range from blue-purple to lavender-pink with yellow eyes. 4-6' tall. \$4.25 #L745A, 3 for \$10.50 #L745B, 6 for \$18.25 #L745C

Vibrant Dome Hot pink flowers with golden yellow centers Compact mounding habit. Resistant to mildew. \$4.25 #L746A, 3 for \$10.50 #L746B, 6 for \$18.25 #L746C

Lady's Mantle (Z3) 12"-18" tall. Mounds of rounded fan-creased silvery grey green foliage. Sprays of tiny yellow green stars bloom on 15" tall stalks above foliage. Attracts beneficial insects. \$3.75 #L756A, 3 for \$8.50 #L756B, 6 for \$15.50 #L756C

Alpine Strawberry (Z3) 4-8" tall. Great for edging walkways or borders. Spreads by runners that root. White flowers followed by juicy sweet red berries from late spring to fall. Plant in full sun, 8-12" apart in slightly acid moist well drained soil. \$6.50 #L763A, 3 for \$16.75 #L763B, 6 for \$30.00 #L763C

Blue Vervain (Z3) 5-7' tall. North American native with tall branching flower spikes of vibrant blue purple flowers. Honeybees love them. Grows wild along streambeds and marshes, but will grow in ordinary garden soil. Plant 1-2' apart in full sun. \$7.25 #L777A, 2 for \$12.50 #L777B, 3 for \$16.75 #L777C

Old Fashioned Bleeding Heart (Z3) 30-36" tall. Graceful racemes arch over clumps of attractive cut foliage. Pink heart-shaped flowers dangle in a row on each raceme. Hardy, long lived perennial thrives in rich moist soil and partial shade. Blooms in early to mid spring, goes dormant in summer. Plant 2-4" deep, 24" apart. \$5.50 #L696A, 3 for \$14.25 #L696B

"Orange Crest" Trollius (Z3) 24" tall. Double flowering 2" globe shaped tangerine flowers. Forms an attractive mound of lobed deeply divided foliage. Performs well at the water's edge. Plant 8-12" apart in moist heavy soil. Full sun to part shade. \$5.25 #L753A, 2 for \$8.75 #L753B, 3 for \$11.75 #L753C

Arnica chamissonis (Z3) Spreading groundcover with bright yellow daisy like flowers. Blooms in July. Plant in full sun, 1' apart in moist well drained soil. In the right conditions a few plants will develop into a dense long-lived patch. \$7.25 #L758A, 2 for \$12.50 #L758B

Monarda didyma Bee Balm (Z3) 3'-5' tall. Flowers in July and August. Plant in light shade in moist soil. Full sun if given adequate moisture. Plant crowns 16"-20" apart. Aromatic foliage.

"Panorama Reds" didyma 3-4' tall. Fabulous blooms in a wide range of red shades. \$6.50 #L770A, 3 for \$17.00 #L770B, 6 for \$30.00 #L770C

Wild Bergamot fistulosa Native species with aromatic lavender blossoms. 2-4' tall. \$6.50 #L771A, 3 for \$17.00 #L771B, 6 for \$30.00 #L771C



# 2017 PCSWCD Tree and Plant Sale

Butterfly Weed *tuberosa* (Z2) 24" tall. Vivid tangerine-orange clusters of flowers in summer atop slender fuzzy stems. Full sun. Will not tolerate clay. Plant 18-24" apart in well drained fertile soil. \$6.50 #L685A, 3 for \$16.50 #L685B

Swamp Red Milkweed (Z3) 5' tall. Not the common milkweed. Unique flattened clusters of upturned red rose colored flowers. Willow-like leaves are 4-5" long. Prefers moist soil. Forms clumps. Great for naturalizing. \$6.50 #L684A, 3 for \$16.50 #L684B

**GARDEN PEONIES**-(Z3) Red shoots appear in spring and form a bushy clump, about 3'x3', of lustrous dark green deeply lobed foliage. Flowers from late spring to early summer. Ants may help the buds to open so don't discourage their presence. May take 3-5 years to establish before blooming. Don't divide or move until the plant is well established.

"Buckeye Belle" 34" tall. Deep velvety cranberry red flowers with golden stamens. Strong stems make this a great cut flower. Early season. \$12.50 #L728A, 2 for \$21.25 #L728B

"Coral Sunset" 28" tall. Intense sunset coral with rose overtones and fluffy golden stamens. Semi-double. Light fragrance and long vase life. Early season. \$10.50 #L730A, 2 for \$18.00 #L730B

"Raspberry Sundae" 36" tall. Giant 6" blossoms feature fluffy mounds of pink blushed creamy vanilla petals circled at the base by a pastel pink guard. Delightful fragrance. Early to midseason. \$13.00 #L732A, 2 for \$22.50 #L732B



"Mrs. Moon" Lungwort (Z3) Woodland perennial that likes full to partial shade. Periwinkle blue buds open to pink flowers. Large ovate slate green leaves have silver white splotches. Blooms with daffodils. Plant 1-2' apart in moist soil. Grows 9-12" tall with a spread reaching 2' wide. \$4.00 #L741A, 3 for \$10.00 #L741B, 6 for \$17.50 #L741C

"Rubra" Pasque Flower (Z4) Frosty green fuzzy flower stems often emerge when snow is on the ground. Large open bell-shaped dusky burgundy flowers with golden yellow stamens bloom as the finely cut furry ferny foliage begins to form. Stems will reach 9-12" with unique spherical clusters of feathery silvery seed heads. Plant 10" apart in full sun to part shade in rich **well drained** soil. Prefers not to be disturbed once established. (3 1/2" plug stock) \$3.25 #L742A, 2 for \$5.50 #L742B, 3 for \$7.25 #L742C

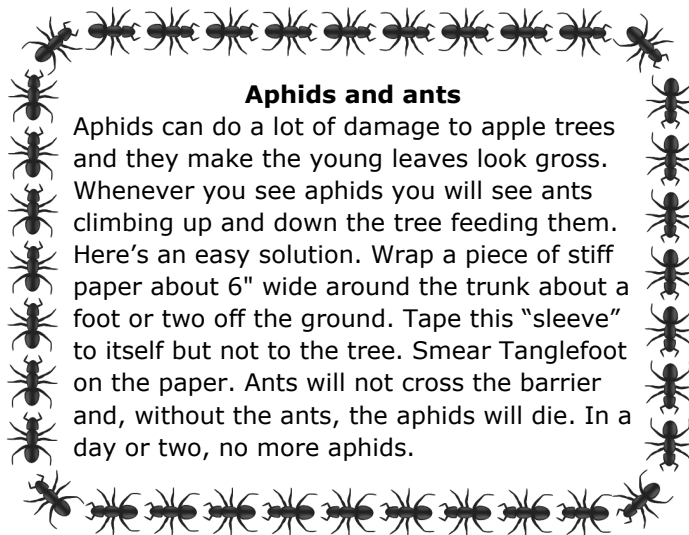
"Lucerne" Blue-eyed Grass (Z4) Deep blue-violet 6 petaled star shaped flowers with golden yellow eyes rise above fine tufts of grassy, semi evergreen foliage. The blossoms turn into dangling seed pods. Full sun, but tolerates light shade. Plant in rich, moist well drained soil. 8-10" tall. \$6.50 #L744A, 3 for \$16.75 #L744B, 6 for \$30.00 #L744C

Witch Hazel (Z3) 8-20'x8-20' Small irregular rounded fall flowering tree or large shrub. Golden yellow fall color with quirky yellow flowers in early to mid November. Full sun or part shade. Prefers moist acid soils. Avoid dry spots. (1-3' seedlings) \$16.00 #475A

Pagoda Dogwood (Z3) 20'x30-35' Small tree or large multi-stemmed shrub with horizontal branches. Fragrant white 2-3" flower clusters. In midsummer, clusters of dark blue berries ripen above blue-green foliage. Prefers partial shade and moist well drained acid soil, but tolerates full sun, poor soil and even clay. Reddish-purple fall color. (1-3') \$15.50 #456A

Red Osier Dogwood (Z2) Rounded multi stemmed shrub spreads by underground stems. Brilliant red stems in the winter. Dark green foliage with tiny star shaped flowers. Whitish berries in 2-3" clusters. Birds love them. Perfect for swamps, streams and wetlands. Very adaptable, but generally likes wet conditions. Sun or partial shade. (1-3') \$15.50 #461A, Bundle of 5 \$65.00 #461B

Russian Sage (Z4) 36-48" tall. Blooms in midsummer with slender spires of lavender blue tubular flowers. Finely divided grey green leaves are aromatic when crushed. Semi-woody shrub emerges slowly in spring. Cut back after frost. Tolerates drought, loves heat and full sun. Plant 24-36" apart because it spreads. Does not tolerate standing water. \$6.50 #L738A, 3 for \$16.75 #L738B



## Aphids and ants

Aphids can do a lot of damage to apple trees and they make the young leaves look gross. Whenever you see aphids you will see ants climbing up and down the tree feeding them. Here's an easy solution. Wrap a piece of stiff paper about 6" wide around the trunk about a foot or two off the ground. Tape this "sleeve" to itself but not to the tree. Smear Tanglefoot on the paper. Ants will not cross the barrier and, without the ants, the aphids will die. In a day or two, no more aphids.

## Mulch

Keep weeds and especially grass away from new trees and shrubs. Apply a 2-4" mulch of composted material, leaves, wood chips or hay out as far as the drip line. A 1/2-1" topdressing of alfalfa meal beneath the mulch may substantially reduce transplant shock. Keep mulch back several inches from the tree trunk. You can lay down cardboard or newspaper and spread mulch on top of it. Mulch encourages earthworms, holds moisture, keeps down weeds, insulates against excess heat and cold, aerates and loosens soils, builds humus and fertilizes feeder roots, 90% of which are within 6" of the surface.

# 2017 PCSWCD Tree and Plant Sale

## ORCHARD COMPANION PLANT COLLECTION

**Orchard Companion Collection** A package of 6 different plants that are beneficial to your orchard.

Bundle of 6 for \$30.00 #L778A

Companion plants encourage natural processes that benefit the overall health and vitality of fruit trees. This means less work lugging around sprayers, buying fertilizer, spreading compost and worrying about pollination. Below are descriptions of the types of plants used as orchard companions.

**Beneficial Insect Attractors** contain nectar sought by predatory insects like braconid wasps, syrphid fly and lacewings that feed on fruit tree pests.

**Mineral Accumulators** have long taproots that are thought to bring up minerals from deep subsoil. Cut foliage and mulch around trees throughout the season to create nutrient-rich soil.

**Living Mulches** produce large quantities of organic matter that can be cut back to decompose around tree bases, enriching the soil.

**Native Pollinator Plants** are native to North America and attract native pollinators.

**Nitrogen-Fixers** transfer nitrogen from the air to the soil where it can be absorbed by tree roots.

**Pest Confusers** have bitter aromas that confuse insect pests and deter them from eating fruit.

**Our collection includes one each of the following 6 plants.** Each plant is individually packaged. In case any is unavailable, we will substitute a plant of similar benefit to the orchard. All except Baptisia are **ME Grown**.

**1. *Achillea millefolium* Yarrow** Living mulch and native pollinator plant. Rich in copper, nitrogen and phosphorus. Aromatic pest confuser with bitter aroma. Excellent addition to compost piles.

**2. *Baptisia australis* Blue False Indigo** Nitrogen-fixing legume. Native pollinator plant.

**3. *Eupatorium perfoliatum* Boneset** Beneficial insect attractor. Native pollinator plant. Adaptable to wet or dry soils, naturalizes in most locations.

**4. *Hyssopus officinalis* Hyssop** Aromatic pest confuser with bitter aroma, long used as a companion plant in gardens and orchards.

**5. *Monarda fistulosa* Wild Bergamot** or **Bee Balm** Living mulch. Native pollinator plant.

**6. *Symphytum x uplandicum* 'Bocking 14' Russian Comfrey** Beneficial insect attractor, mineral accumulator and living mulch. Rich in silica, magnesium, iron, nitrogen, potassium and calcium. Use as mulch or turn the leaf into compost tea for your garden; makes a mineral-rich foliar spray. **Nearly impossible to eradicate: plant it where you want it forever, 4-15' from tree trunks.**

### Zone Hardiness Guide

Our catalog has brief descriptions to help you choose plants which will best suit your needs. Following each plant name is the zone hardiness, which lets you know if a plant may or may not be suitable for your location.

Z2 low temperature average -50 to -40 degrees

Z3 low temperature average -40 to -30 degrees

Z4 low temperature average -30 to -20 degrees

*The interesting historical references and information about planting, pruning, handling plants, etc. have been taken from the Fedco Trees Annual Catalogue for Spring Planting 2017. Go to the top of page 2 for directions to the Fedco website.*

# 2017 PCSWCD Tree and Plant Sale

## NUT TREES

Bur Oak (Z3) 70-80'x70-80' Hardest of the white oaks with a deeply grooved massive trunk and a wide spreading crown. Lustrous dark green foliage and large 1-2" acorns. Fairly fast growing. Needs full sun, but adaptable to a wide range of soils including clay. Need only one for fruit. (1-3' seedlings) \$16.00 #418A

American Hazelnut (Z4) Also known as American Filbert. 12-18'x10-15' Showy catkins in spring, dark green serrated foliage in summer turning to reds and yellows in fall. Sweet nuts in fall. Multi stemmed rounded native shrub. Excellent for naturalizing in thickets. Prefers well drained soils. Full sun or part shade. Plant more than one, 4-6' apart for nuts. Bears nuts 3-5 years after planting. (1-3' seedlings) \$16.00 #403A

Shagbark Hickory Seedlings (Z4) 60-80' or taller. Straight trunked with shaggy bark. Begins to bear fruit at about 40 years. Yellow fall foliage. Slow growing. Sweet nuts. Prefers rich well drained loam, but adaptable. Self pollinating. (1-3' seedlings) \$16.00 #400A

American Chestnut Seedlings (Z4) Up to 100' tall. Not immune to blight, but will likely thrive if there is no active blight infection within a mile. Fast growing, straight tree with a wide branching crown. Prefers loamy well drained acidic soil and full sun. **Two or more needed for pollination**, but will cross pollinate with Asian and European chestnuts. Bears nuts in 10 years. For every purchase, Fedco will donate \$3 to support the work of the American Chestnut Foundation Maine Chapter. (1-3' seedlings) \$22.00 #401A

Butternut Seedlings (Z3) 40-60'x40-60' Very large rounded shade tree. Distinctive compound leaves on large arching branches. Oblong edible nuts. Prefers moist rich deep soils, but will grow in dry rocky conditions. Full sun with plenty of space. Self fertile, but plant two for more abundant crops. (1-3' seedlings) \$16.50 #404A

Black Walnut Seedlings (Z4) 70-90' Spectacular shade tree with an open rounded crown of massive limbs with dark green leaves. Prefers moist well drained soils, pH 6-7. **Roots give off a compound called juglone that inhibits competing plants, so don't plant too close to your garden.** May begin to bear in 5-10 years. (1-3' seedlings) \$16.50 #405A

"Carpathian" Walnut Seedlings (Z4 or maybe 3) 30-50' with 40' spread. Sometimes called English or Persian walnut. Very large fast growing tree with edible nuts. Prefers light deep dry loamy soil. Bears in 5-7 years. Considered self fertile, but plant two for more abundant crops. (1-3' seedlings) \$16.50 #406A

Northern Pecan Seedlings (Z4/5) Up to 90' tall Although the tree itself may be plenty hardy in much of the North, it requires summer heat and a warm fall to fill the nuts. Full sun, deep moist fertile soil with no ledge. Will take 3-4 years to establish a taproot, then it should grow rapidly. **Two seedlings required for pollination.** (1-3' seedlings) \$16.00 #399A

### Spacing of Fruit Trees, Nut Trees & Berries

	between plants	between rows
Apples, Dwarf	7-8'	15'
Apples, Semi-dwarf	15'	15'
Apples, Standard	25-30'	25-30'
Asparagus	1-2'	4'
Blackberries	3-4'	6-12'
Blueberries, highbush	3-6'	8-10'
Blueberries, lowbush	1'	1'
Grapes	8'	8-10'
Hazel	4-6'	hedge
Nut trees - orchard	35'	35'
Nut trees - forest	20'	20'
Pears, Asian Pears	20'	20'
Raspberries	2'	6-12'
Stone Fruit	5-20'	15-20'
Sweet Cherries	25'	25'



### Climate Guide



Sun or Full Sun Generally this means 6 or more hours of direct sun in a day.

Part-sun Generally means less than 6 hours of direct sun or a full day of dappled sunlight.

Shade Very little to no direct sun, especially through the middle of the day.

Moist Average soil conditions, not wet, not dry. Able to retain water long enough for plants to use, but not to be soggy.

Wet Has standing water part of the time or is boggy and damp most of the time.

Dry Very little moisture, often sandy soil. Dries out quickly after rain.

Evergreen These plants do not lose their leaves or needles in the winter. There may be some annual shedding of old needles (as in pine) but the entire plant does not go bare.



# 2017 PCSWCD Tree and Plant Sale

*The first thing for any man to do, if he wants to plant an orchard, is to make a survey of his own town and country, investigate the different orchards, varieties, and locations, no matter what he may have seen away from home, or how well he may like certain varieties. All that he has observed elsewhere is of but little use until he determines its adaptability to his own locality.*  
- from American Agriculturist, 1872

## When you get your order: Immediate Care

**When your new trees and plants arrive**, they need to be planted as soon as possible. Don't be deterred by snow. If you can dig a shovel into the ground, plant your trees. If you wait until spring is in full swing, your plants might become stressed and have a hard time recovering. Sometimes frozen ground makes immediate planting impossible. When this is the case, follow the instructions below and all will be well. **Why do we send plants even when there is snow on the ground?** The weather may be fickle but we must be steady. We are dealing with bare-root trees that have to be moved out of storage and sent to their new homes in early spring. For our system to work, we must follow a tight shipping schedule regardless of regional weather conditions. We begin shipping around March 31 and finish around April 14, sending orders by climate zones, warmer zones first.

## DO NOT ALLOW ROOTS TO DRY OUT AT ALL!!!

### Planting Woodyies Within 48 Hours

Leave the plastic wrapping around the root ball. Add some water to remoisten the packing material and store your trees and shrubs in a cool shaded place like a shed, barn or cellar. Avoid heat and sunlight.

### If You Cannot Plant Within 48 Hours

You can keep plants for a week or two by following one of these temporary measures and continuing to water as needed.

- Open your package and inspect for damage. Fold the plastic back from around the tops. Keep the wet shredded newspaper around the roots and re-wrap the plastic around the root ball, packing firmly to eliminate air pockets. Water as needed to keep the roots moist, but don't let them stand in water. Keep the trees in a cool shaded or dark place like a shed, barn, cellar or garage but don't allow the plants to freeze. Avoid heat and sunlight.
- "Heel in" your plants in a protected cool, shady spot. Dig a trench or turn back an appropriate amount of earth and bury the roots; tamp firmly to remove air pockets. Water thoroughly. Plant in permanent location as soon as possible.

## Companion Plant Combinations for the Garden and Orchard

Generations of gardeners have identified certain plants as beneficial to each other in the garden. We can gather insight into what is possible when we step back a moment and observe the work of nature. Many old garden books contain some version of the following:

**Apples** planted with chives, garlic, tansy, horseradish and nasturtiums will have less scab and woolly aphids.

**Asparagus** likes tomatoes, calendula, basil and parsley, which deter asparagus beetles.

**Strawberries** grow better near lettuce, borage, and spinach. Spinach roots secrete saponins, which are antifungal and antimicrobial, and borage breaks down into calcium, potassium and other minerals.

**Roses** like garlic and chives, which can help with blackspot, mildew and aphids. Geraniums repel Japanese Beetles.

**Grapes** grow well with hyssop, which increases fruit yields.

## Special Plants for Challenging Locations

### Drought Tolerant:

Amelanchier  
Bayberry  
Bearberry  
Lowbush Blueberry  
Butterfly Bush  
Catmint  
Cornelian Cherry  
Chestnut  
Diervilla  
Elm  
Grape  
Hawthorn  
Heather  
Honey locust  
Kentucky Coffee tree  
Lavender  
Lilac  
Lingonberry  
Pea shrub  
Beach Plum  
Rosa Rugosa  
Spruce

### Wet Tolerant:

Amelanchier  
Birch  
Black Cohosh  
Highbush Blueberry  
Buttonbush  
Eastern White Cedar  
Chokeberry  
American Cranberry  
Highbush Cranberry  
Dawn Redwood  
Red osier  
Elderberry  
Elm  
Ferns  
Blue Flag Iris  
Lobelia  
Marshmallow  
Spicebush  
Turtlehead  
Willows  
Winterberry  
Witch Hazel

### Shade:

Eastern White Cedar  
Black Cohosh  
Clematis  
Comfrey  
Pagoda Dogwood  
Dutchman's Pipe  
Ferns  
Balsam Fir  
Wild Ginger  
Goldenseal  
Groundnut  
Hazelnut  
Hops  
Hosta  
Lady's Mantle  
Linden  
Sugar Maple  
White Pine  
Pulmonaria  
Spicebush  
Blue Leaf Arctic Willow  
Wintergreen  
Witch Hazel



# 2017 PCSWCD Tree and Plant Sale

## A few pruning guidelines:

- **Summer-Flowering Shrubs** should be pruned in late winter or early spring, before the new wood begins to grow. These shrubs blossom on the new wood they produce in the spring.
- **Spring-Flowering Shrubs** form flower buds in the summer, after they are finished blooming. Prune them immediately after their bloom is over. If you wait and prune them in the winter or following spring, you will likely remove many flowering buds.
- A common error is to prune or shear shrubs straight across the top. This encourages top-growth and the lower part of the shrub becomes woody and unsightly with less foliage. Proper pruning promotes growth at the base of the shrub.
- Observe your plants and see what they need. Some trees and shrubs benefit from aggressive pruning each year and might even respond well to being cut all the way back to the ground; others will respond by delaying fruit or blossom. Some plants thrive with little or no pruning.
- Overgrown shrubs with little foliage near the base may be rejuvenated by cutting canes down to the ground in early March, even though early blooms may be sacrificed that year. They will send forth new shoots in late spring and will be bushy with foliage clear to the ground. Pinch off tops when the desired height is attained. It usually takes two to three years to rejuvenate shrubs and hedges completely.

Prune Ornamental Shrubs, Trees and Berries for:

- Rejuvenation: older canes (three years and older) can be cut off at the ground line each year to encourage the growth of new canes.
- Health: remove broken, dead or diseased branches for neatness and vigor and to increase airflow and access to sunlight.
- Vitality: prune to encourage better blooms and fruit rather than heavy excessive vegetation. Many shrubs send up new vegetative growth from the terminal bud. Pruning the terminal bud redirects the plant's energy back to some of the lateral flowering and fruiting buds.
- Containment: certain varieties sucker from the roots; remove these suckers unless you want the shrub to spread and form colonies.
- Shape: if you desire a tall tree with a high crown, prune the lateral branches from the trunk and prevent formation of low crotches. For a low stocky tree used in screens and windbreaks, cut back the top shoots to force side growth. Retain a natural arching habit and prevent your shrub from becoming top-heavy by pruning branches after flowering.

**Make Space for Native Plants** We love incorporating native plants back into the landscape. These plants are attractive, natural and beautifully suited to our growing conditions. Here are some you'll find in our catalog:

Red osier Dogwood	Amelanchier
Dutchman's Pipe	Bayberry
Echinacea	Bearberry
Elderberry	Birch
American Elm	Blackberry
Balsam Fir	Black Cohosh
Foxglove	Highbush Blueberry
Wild Ginger	Lowbush Blueberry
Goldenseal	Butterfly Weed
Grape	Butternut
Groundnut	Buttonbush
Hazelnut	Eastern White Cedar
Honey locust	American Chestnut
Blue Flag Iris	Chokeberry
Kentucky Coffee tree	American Cranberry
Linden	Highbush Cranberry
Lingonberry	Diervilla
Lobelia	Pagoda Dogwood
Sugar Maple	Raspberry
Mock orange	Redbud
Mulberry	Spicebush
Nannyberry	Blue Spruce
New Jersey Tea	Alpine Strawberry
Northern Wild Raisin	Walnut
White Pine	Winterberry
Beach Plum	Witch Hazel
	Yarrow

## Hedgerows Provide:

- forage for birds, bees, butterflies, hummingbirds, moths, beneficial insects and humans
- protection for nesting birds and migratory animals
- erosion control and water conservation
- privacy screens, windbreaks, mazes or secret gardens
- texture, aroma, character and color in a cultivated landscape
- renewable material for kindling, crafts, bouquets and wood chips



# Farm, Garden and Landscaping Helpers:

*\*Tax is already included in all of these items for purchase.\**

## **The Earth Machine Composting Bin \$58.00**

Converts grass, leaves and table scraps into an abundant supply of rich garden soil. This large 80 gallon capacity composter is made of recycled plastic. It is durable, rodent resistant, has a twist locking lid for easy function and includes a 10 year warranty. Composting is an amazingly easy way for you to make a difference. In less than ten minutes a week, you can:

- reduce the amount of household garbage you generate by 25% or more – that's less tax dollars spent on collection and disposal.
- create wheelbarrows full of valuable compost to add to your garden, lawn, trees, shrubs and house plants.
- A family using an Earth Machine™ can divert over 500 pounds of kitchen scraps and yard waste each year.
- That's over one billion pounds of garbage transformed into valuable compost for our gardens each and every year!



## **Kitchen Scrap Pail - an indoor companion to the Earth Machine Composting Bin \$11.00**

Strong, durable plastic, with an ergonomically designed handle for easy carrying and emptying into the Earth Machine. 2 gallon capacity with a sealing hinged lid.



## **Recycled Rain Barrel \$78.00**

60 gallon recycled food grade barrel directs water away from your foundation and reduces runoff that adds to storm water problems. It collects and stores water for you, providing an ample supply of water during drought periods or peak summer usage, which saves an average of 1,300 gallons of tap or well water during summer months. It has a removable intake screen to keep debris and mosquitoes out and connects to drip irrigation, soaker and garden hoses to water your plants. Available in grey, which prevents light transmission and inhibits algae growth.



## **Plantskydd Organic Deer Repellent**

Plantskydd, an organic animal repellent to provide long lasting year round protection for your farm, orchards, trees, gardens and landscaping. It is effective against deer, rabbits, voles, elk, moose, squirrels, chipmunks and many other animals. It is rain-resistant and lasts for up to six months. It is organic and OMRI certified for use in organic food production. Not sold in stores. Made in the USA.:

- **Convenient One Quart Spray Bottles \$23.00**
- **2.2 Pound Soluble Powder Concentrate \$46.00**
- **1.32 Gallon Jugs \$60.00**
- **1 Pound Granular Shaker \$12.00**



**Plantskydd Deer Repellent—A Proven Leader!**

## **Birdhouses (made locally)**

- **Handmade Bluebird Houses \$12.00**
- **Handmade Wood Duck Boxes \$35.00**
- **Wood Duck Box Kits \$25.00**



## **Marking Flags**

Great for driveways, fields, landscaping, surveying or any area that needs to be clearly marked.

### **3 feet length:**

- **100 for \$20.00**
- **50 for \$12.00**
- **25 for \$8.00**



## **Mesh Tree Shelter Sleeves**

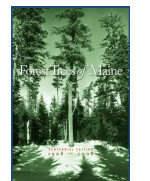
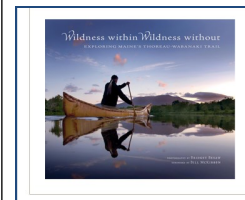
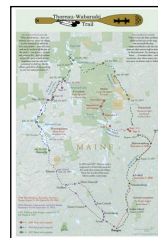
Protection sleeves for your new trees.

- **4 foot sleeve with 2 bamboo stakes \$2.50 per set.**
- **\$1.00 per set when purchasing 20 sets or more.**



## **Books and Maps**

- **US Geological Survey Topographic Maps \$7.35**
- **Thoreau-Wabanaki Trail Waterproof Maps & Guides:**
  - **Full Map \$9.00**
  - **East Branch of the Penobscot River Map \$9.00**
- **"Forest Trees of Maine" Books \$16.00**
- **Maine Woods Forever "Wildness Within Wildness Without" Books \$31.60**



## **Piscataquis County Soil and Water Conservation District Hats \$12.00**

## **Soil Test Kits and Water Test Kits are both available free of charge!**



