

ECCD OUTLOOK

A publication of the Eastern Connecticut Conservation District

Winter 2019 Edition

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Kate Johnson to Retire in May

With retirement rapidly approaching this May, I would like to take this opportunity to extend my appreciation to all that have made the Eastern Connecticut Conservation District such an extraordinary place to work and learn.

Serving as Office Manager, the past fourteen years have been greatly enhanced by the dedication and accomplishments of so many! I would especially like to thank ECCD's Board of Directors and my predecessor, Lee Szruba, for placing confidence in hiring me back in 2005. As the Board has evolved over the years, it has always been with great focus and compatibility, growing in its capacity to

support staff efforts in conservation. I will treasure my memories and friendships of all of you that have volunteered your time and unique perspectives! And trusted leadership, Bill.

To my co-workers, how you continue to grow in full force, making huge strides in water quality and healthy soils improvements - the foundation of all that grows! What a tremendous asset you are to our beautiful state.

Our volunteers, donors, supporting municipalities...to you I cannot say thank you enough! Your impact makes all the difference in supporting the direction of natural resource conservation throughout eastern Connecticut. Your support matters!

From meetings, to picnics, to plant sales, to state-wide events and beyond, the conservation community is the most dedicated collaboration of people I have had the good fortune to be a part of. Additionally, to our sister CT Conservation Districts and partners, and especially to USDA's Natural Resources Conservation Service, my sincere thanks to all of you who work so diligently to conserve our precious environment.

As I reflect on where I've been, and look forward to what my future holds, I say "Onward, ho..." and hope to see you over the course of the future; and wish you great successes! Kate

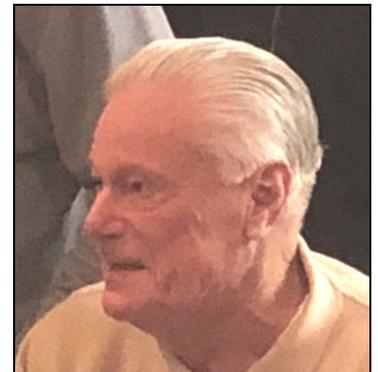
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ECCD Board Member Warren Swanson Receives Outstanding Honor Award!

On January 11th, Warren Swanson received the United Soccer Coaches' 2018 Honor Award in Chicago, the organization's highest honor, and as defined by USC, "recognizing the career of a person whose work has enhanced the soccer coaching profession and/or contributed to the game as a whole." Warren was selected from a field of over 30,000 soccer coaches nationwide.

Warren's soccer career began in 1957 and he continues to be involved after 60+ years of dedication to the sport he so loves! Amongst Warren's many kindnesses and accomplishments, he led Mitchell College to four straight National Junior College Athletic Association finals and two national championships.



At an honorary celebration in Waterford in November, on behalf of local legislators, State Senator Cathy Osten presented Warren with a Citation from the State of Connecticut for outstanding dedication. A wonderful tribute to a humble man!

2019 ECCD SPRING SEEDLING AND PLANT SALE

WHAT: Bareroot seedlings and potted plants, all winter hardy to at least Zone 6, which is our growing area (descriptions and order form follow).

WHEN: **Order deadline:** April 5, 2019 postmark (Balsam Fir & Fraser Fir seedlings postmark deadline March 12)

Southern area pickup at **Ocean State Job Lot Building, Gales Ferry** (space donated by Ocean State Job Lot): 1 pm to 6 pm on Friday, April 19th; or at 9 am to noon on Saturday, April 20th.

Northern area pickup at **Brooklyn Fairgrounds, Route 169, Brooklyn** (space provided by the Windham County Agricultural Society): 1 pm to 6 pm on Friday, April 26th; or at 9 am to noon on Saturday, April 27th.

Please indicate on the order form whether you will be picking up at the Ocean State Job Lot location or the Brooklyn Fairgrounds. This is important since the seedlings and plants for each pickup point are delivered a week apart and are not carried over from one pickup location to the other.

HOW: One hundred seedlings of most tree species can fit easily into a grocery sack. Potted plants take up more room. Be prepared to keep the roots of the bareroot plants moist and covered until actual planting. Herbs and perennials should be sheltered until mid-May.

AND: The District cannot be responsible for any orders not picked up by noon on Saturday unless prior arrangements have been made. Sorry, there are no refunds on orders not picked up.

QUESTIONS: Call Kate at 860-319-8806 M-F between 9:00 a.m. and 3:00 p.m.

Thought for the Day

Don't wear perfume
in the garden ~ unless you want to be
pollinated by bees.

Anne Raver

Soil Analysis Test Kits

Available at your local UConn Extension Office
for \$12 and at: www.soiltest.uconn.edu or
860-486-4274.

Cash or check only please.

CODE KEY FOR PLANTS:

BD—attracts birds, **BE**—attracts bees, **BT**—attracts butterflies, **D**—Deer Resistant
HM—attracts hummingbirds, **M**—works well in meadows, **MG**—works well in moon gardens, **N**—native to New England,
RB—works well as a riparian buffer plant, **RG**—works well in rain gardens

BAREROOT EVERGREEN SEEDLINGS (In bundles of 25 each)

- 1. WHITE PINE:** 8 to 12 inch tall 3-year bareroot seedlings. Soft, blue-green needles 3-5" long, fast growth, excellent needle retention. Desirable for Christmas, ornamentals, reforestation. **N,BD,RB**
- 2. WHITE SPRUCE:** 10 to 18 inch tall 3-year bareroot seedlings. Very hardy, compact, with short, blue-green needles, fast rate of growth, tolerates wide variety of soils. Used for Christmas, ornamentals and windbreaks. **BD**
- 3. COLORADO BLUE SPRUCE:** 9 to 15 inch tall 3-year bareroot seedlings. Color ranges from blue-green to silvery blue, superb color, excellent shape, good growth rate. One of the finest for Christmas trees, ornamental and windbreak use. **BD**
- 4. CONCOLOR FIR,** 10 to 15 inch tall 3-year bareroot seedlings. Soft, silver-blue, 2" needles with excellent retention and a citrus aroma. Withstands heat and dryness well, likes well-drained soil best. Great for Christmas and for ornamental.
- 5. BALSAM FIR:** 6 to 10 inch tall 3-year bareroot seedlings. Needles are 1", excellent fragrance and retention, grows best in cool, moist, sheltered locations. Widely used for Christmas trees and ornamentals. **BD. Early order deadline ~ postmarked by March 12.**
- 6. FRASER FIR:** 5 to 9 inch tall 3-year bare root seedlings. Shiny, dark green foliage with a silvery underside and superb needle retention, prefers fertile, well-drained soil. Excellent Christmas tree and ornamental. **BD. Early order deadline ~ postmarked by March 12.**

TREES & SHRUBS (#1, #2 or #3 "gallon" containers)

7. GLOSSY ABELIA, *Abelia x grandiflora* 'Kaleidoscope': Beautiful, ever-changing foliage colors, from bright yellow with green leaf center, to striking gold, deepening to showy red and orange, stream of small, white, tubular flowers from mid-summer to fall, fragrant. Full sun to part sun. Medium moist soils, adaptable. Matures to 2-3' tall. (#3) **RB**

8. AZALEA, *Azalea* 'Lemon Lights': Fragrant, abundant, lemon-yellow flowers in early May, cold hardy, easy to grow. Full sun to part sun. Average moisture. Matures to 4-5' tall. (#2)

9. BUTTERFLY BUSH, *Buddleia davidii* 'Nanho Blue': Fast growing, compact, clusters of silvery blue, fragrant flowers on 4-10" spikes from July thru Sept, prune early spring to 12-15" in size to rejuvenate. Full sun to part sun. Moist, well-drained soil to avg, tolerates drought. Matures to 4-5' tall. (#3) **BT,HM**

10. SWEETSHRUB, *Calycanthus floridus*: Easy to grow, good hardiness, fragrant, red-chocolate colored frilly flowers in May, grows taller in shadier areas. Full to part sun. Adapts to most soils, prefers rich soils. Matures to 6-9' tall. (#3) **N,BD,BT,D,RG**

11. RED BUD, *Cercis canadensis*: Short trunk, spreading branches, showy clusters of flowers light pink to dark magenta blooming in spring, covering the bare branches before heart shaped foliage appears, provides great nesting and caterpillar food for local butterflies. Sun. Moist soil. Matures to 15-30' tall. (#3) **N,BD,BE,BT,HM,M,RG**

12. SUMMERSWEET, *Clethra alnifolia* 'Ruby Spice': Deep, reddish-pink, fragrant blooms that don't fade, blooms Jul-Aug. Full sun to part shade. Moist, well-drained soils. Matures to 5-6' tall. (#3) **BT,RB,RG**

13. BOX HUCKLEBERRY (WHORTLEBERRY): *Gaylussacia brachycera* 'Berried Treasure': Vigorous, low growing, bell-shaped white to pink flowers attract many pollinators, produces edible berries similar to blueberries but less seeds, beautiful deep red fall color. Loose, acidic soils inc. sandy, avg, well-drained. Part sun to part shade. Matures to 6-18". (#1) **BE,BT**

14. HYDRANGEA, *Hydrangea macrophylla* 'Endless Summer 'Summer Crush': Profusion of raspberry red mophead flowers (vibrant blue in acidic conditions), great in garden or container, compact, neat, blooms all summer. Full sun to part shade. Moist, well-drained soil. Matures 18-36" tall. (8")

15. WINTERBERRY, *Ilex verticillata*: Dense round plant with deep green foliage, stunning array of red berries that birds adore. Sun to part sun. Handles moist or wet soil. Matures to 7-8' tall. (#2) **N,BD,BE,RG**

16. HOLLY, 'Blue Princess' *Ilex x meserveae*: Dark, blue-green foliage and exceptional berry production. Full sun or part shade. Matures to 12' tall. (#2) **BD,D**

NOTE: The female holly bush produces berries. The male generally is not berry producing, but is needed to pollinate the female. One male holly can pollinate up to several female holly bushes.

17. HOLLY, 'Blue Prince' *Ilex x meserveae*: Male is needed to pollinate female for berries, dark, blue-green foliage on purple stems, extremely hardy. Full sun or part shade. Matures to 8-10' tall. (#2) **BD,D**

18. JUNIPER, *Juniperus communis* 'Blueberry Delight': Unique, two-toned foliage, very hardy, evergreen, green needle-like foliage with silvery-blue hues on upper side, deep bluish-purple cones looking like berries, provides outstanding cover for wildlife. Full sun to part shade. Can adapt to tough soils. Matures to 1-2' tall. (#2) **N,BD,D**

19. MOUNTAIN LAUREL, *Kalmia latifolia* 'Snowdrift': Dark green, thick, leathery foliage, 4-6" clusters of pure white, small, individual flowers, blooms late May-early June. Sun to part shade. Moist, acidic soil. Matures 5-6' tall. (#2)

20. NORTHERN BAYBERRY, *Myrica pensylvanica*: Wide, spreading presence, deep green foliage densely held, very aromatic when crushed. Essential oil used in soaps, candles and other household products. Full to part sun. Moist or dry soils. Matures to 5-6' tall. (#2) **N,BD,BE,BT,RG**

21. BEACH PLUM, *Prunus maritima*: Easy to grow, loose upright-branched, with deep green foliage, small white flowers cover in late Apr to mid-May, abundant nectar. Dark purple 1" plums great for jams. Full sun. Native to dune areas, so tolerates drought and sandy, unfertile soils with ease. Matures to 6-7' tall. (#2) **N,BD,BE,BT**

22. RHODODENDRON, *Rhododendron maximum* 'Independence': Spectacular native, more refined, big, rounded form with long leaves, blooms 6 weeks later than most rhodies – in late June into July, with massive, clear pink flowers, large plant. Likes shady, wooded areas. Moist, well-drained soil. Matures 8-12' tall. (#2) **N,BE,BT,RG**

23. PUSSY WILLOW, *Salix discolor*: Provides flower catkins in spring, often used for cuttings, provides early and varying food sources for bees, birds, and butterflies, and cover for birds. Tolerates most soils, including moist. Matures to 20-25' tall. (#2) **N,BD,BE,BT,RB,RG**

24. ELDERBERRY, *Sambucus canadensis* 'Adams': Dense, round, deep-green foliage, profuse creamy white flattened heads of flowers in June, followed by abundant, dark blue/black berries, provides cover and food for birds and butterflies. Full sun to part shade. Moist soils. Matures to 8-10' tall. (#3) **N,BD,BE,BT,RB,RG**

25. LILAC, *Syringa* 'Equinox Valley': Extremely hardy, tall, upright branches, 1/3 larger blooms than most lilacs, developed in Manchester, VT, terrific scent, blooms in early May with double, lavender-colored flowers. Matures to 12-18' tall. (#3) **BT**

26. VIBURNUM, *Viburnum nudum* 'Winterthur': Dense, rounded form, large, fragrant white flowerheads Apr-May, amazing crimson-purple fall foliage, provides food, cover and nesting for birds, dark blue to black berries at summer's end. Full sun, tolerates partial shade. Wide range of soils moist-dry. Matures 7-8' tall. (#3) **N,BD,BT**

27. WEIGELA, *Weigela* x Date Night 'Maroon Swoon': Deep green leaves with fragrant, dark red blooms summer to fall. Full sun to part sun. Moist, well-drain soil. Matures to 4-5' tall. (#3)

GRASSES (#1 or #2 "gallon" containers)

28. BIG BLUESTEM, *Andropogon gerardii* 'Red October': Reddish highlights in spring, lush, deep green in summer, burgandy red flowers in August with foliage becoming purple-red, and turning scarlet red after the first frost, excellent bird cover. Full sun. Dry & sandy to clay soils, grows quickly in moist fertile soils but likely to fall over. Matures 4-6' tall. (#2) **N,BD,BT,D**

29. CORKSCREW RUSH, *Juncus effusus* 'Big Twister': Fun and unique twisted reeds of deep green spirals, an excellent accent in a container or water garden, inconspicuous golden flowers atop stems in summer. Full sun. Likes boggy or wet areas, up to 6" of water, or moist, well-drained. Matures to 18-24" tall. (#1) **BD, RG**

30. SWITCHGRASS, *Panicum virgatum* 'Cape Breeze': Grey-green leaves form strictly upright, dense clump, rose colored flower panicles and leaf tips in fall, provides winter shelter for birds, cut back to ground in late winter, or before new growth. Full sun. Does well in all soils, from sand to clay. Matures to 40-48" tall. (#1) **N,BD,BT,D,RG**

31. SWITCHGRASS, *Panicum virgatum* 'Thundercloud': Towering height makes great backdrop, blue-green foliage, produces pinkish-tan panicles among the narrow leaves in late summer, provides bird cover, nesting sites and food in winter, cut back at end of winter to manage foliage. Sun. Avg.-dry soils. Matures to 7-8' tall. (#2) **N,BD,BT,D,RG**

PERENNIALS (8", #1, #2 or #3 "gallon" containers)

32. YARROW, *Achillea millefolium* 'Strawberry Seduction': Easy to grow, long green stems with long lasting clusters of velvety red petals around golden flower centers, blooms early to late summer. Sun. Avg to dry soils, well-drained. Matures to 18-24". (#2) **BT,M**

33. NODDING WILD ONION, *Allium cernuum*: Excellent nectar source for bees, fragrant, nodding, lilac-pink flowers in late spring, great in container or rock garden, formal or wild garden. Full sun (best) to part sun. Moist to dry soils, including gravely soil, well-drained. Matures to 12-18". (#1) **N,BD,BE,BT,HM,M**

34. WINDFLOWER, *Anemone* x 'Madonna': Dainty, lightly fragrant, white flowers with yellow center-late spring into early summer, lush green foliage, prune after bloom for possible rebloom, does well in woodland, coastal, shaded and rock gardens. Prefers am sun, pm shade. Most soils, inc. loose, sandy loam. Matures to 9-12". (8") **BE,M,MG**

35. SEA THRIFT, *Armeria maritima* 'Splendens': Grass-like foliage with flower stems that rise above with globular redish-pink flowers Apr into May. Full sun. Avg, well-drained, soil, tolerates dry, shallow, rocky. Matures to 4-6". (#1)

36. GOAT'S BEARD, *Aruncus dioicus*: 'Bride's Feathers': Foliage similar to astilbe, stems bear compound leaves with toothed segments, large feathery clusters of small white flowers 6-12" long in June-July. Sun to part shade. Moist to wet soil. Matures to 3-6' tall. (#2) **N,BT,MG,RG**

37. SWAMP MILKWEED, *Asclepias incarnata*: Long, lance-like foliage with umbels of small, mauve-pink fragrant flowers from late June-Jul. Host plant to Monarch butterflies. Full sun. Moist soil. Matures to 3-4' tall. (#2) **N,BD,BT,D,HM,M,RG**

- 38. BUTTERFLY WEED**, *Asclepias tuberosa*: Low profile, produces umbels of small orange flowers mid-July into Aug. Full sun to part shade. Drier soils. Matures to 18-30" tall. (#1) **N,BD,BE,BT,D,HM,M,RG**
- 39. ENGLISH DAISY**, *Bellis perennis* Belissima 'Red': Double button, bright red, daisy-like flowers with yellow center, biennial, self-seeding. Part sun. Avg to moist soils. Matures to 6-8". (#1)
- 40. MARSH MARIGOLD**, *Caltha palustris*: Fleshy, deep green, rounded foliage with longer stalks pushing up clusters of waxy yellow cups early May into June. A great early nectar source for bees. Partial shade. Moist/wet soil. Matures to 18-24" tall. (#1) **N,BD,BE,RG**
- 41. LEADWORT**, *Ceratostigma plumbaginoides*: Spreading ground cover, brilliant blue flowers Aug into Oct, bronzy, red fall color, late to emerge so good to plant with spring bulbs, as shrub understudy, and good in rock gardens. Part shade to shade. Avg water well-drained, tolerates clay soils. Matures 12" tall. (8") **BT,RG**
- 42. TURTLEHEAD**, *Chelone glabra*: Upright growing, blooming late Aug-fall with white, snap-dragon-like flowers. Part shade. Moist. Matures to 2-3' tall. (#1) **N,BD,BE,BT,HM,RG**
- 43. PINKS**, *Dianthus* 'Raspberry Ruffles': Fragrant, double, raspberry pink flowers with razor thin white edges, mounded blue-green foliage, great border plant. Sun to part shade. Loose, well-drained soils, neutral to alkaline, salt tolerant. Matures 10-12" tall. (#1) **BT**
- 44. WILD BLEEDING HEART**, *Dicentra eximia*: Amazing amount of fragrant, pink-red heart shaped flowers from Apr-Sep. Part shade to full shade. Moist soil. Matures to 12-18" tall. (#1) **N,BT,D,HM,RG**
- 45. PURPLE CONEFLOWER**, *Echinacea purpurea* 'Ruby Star': Tall, narrow, upright profile with big, carmine red daisies blooming from July to early Sept, great nectar and seed source, hardy. Full sun. Matures to 36-42" tall. (#2) **N,BD,BE,BT,D,HM,M,RG**
- 46. CORAL-RED CONEFLOWER**, *Echinacea* Sombrero 'Tres Amigos': Bright, peachy coral flowers, aging to rose and fading to a deeper burgundy, blooms all summer, great in containers and as cut flowers, heat tolerant. Full sun. Avg, water, well-drained, fertile soil. Matures to 18-20" tall.(8") **BD,BT,D**
- 47. GERANIUM**, *Geranium cinereum* 'Ballerina': Trailing, soft pink flowers with deep purple eye and veins, long summer bloom period, compact form, shear mid-summer for extended bloom time. Sun to part sun. Avg to moist, well-drained soil. Matures to 4-8" tall. (8") **BE,D**
- 48. FLASE SUNFLOWER**, *Heliopsis helianthoides* 'Burning Hearts': Deep purple foliage, golden yellow flowers with red-orange eye, blooms July-Oct. Sun. Well-drained soil, tolerates dry. Matures to 40-48" tall. (#2) **N,BD,BE,BT,RG**
- 49. LENTEN ROSE**, *Helleborus x Frostkiss* 'Dorothy's Dawn': Silvery-green, marbled foliage, large, forward facing pink blooms, flowers later than other *Hellebores* Feb to Apr, perfect for woodland/shaded garden. Part shade to full shade. Moist, well-drained soil. Matures to 20-24" tall. (8") **D**
- 50. HIBISCUS**, *Hibiscus* 'Starry Starry Night': Dense mound of dark foliage, compact form with bicolor blooms of blended hues in snow white, creamy yellow, blushing pink and cherry red. Sun to part sun. Moist, well-drained soil. Matures to 3-4' tall. (#3) **BT,D,HM**
- 51. DAISY**, *Leucanthemum x superbum* 'Becky': 2-3" classic white daisy, yellow center, blooming Jul-Sep with deadheading, hardy, durable. Full sun. Well-drained soil. Matures to 3' tall. (#2) **BT,D**
- 52. CARDINAL FLOWER**, *Lobelia cardinalis*: Loves wetland features but will thrive with moist soil, forms dense clump of upright green stems with buds at the tops, rising to scarlet red, two lipped tubular flowers that grow upward, blooming late July-Sept. Full sun to part shade. Moist soil. Matures to 2-3' tall. (#1) **N,BD,BE,BT,HM,RB,RG**
- 53. LUPINE**, *Lupinus* 'Staircase Orange': Blooms are a beautiful blend of oranges, perfect for cutting, removing faded flowers encourages rebloom. Sun to light shade. Avg water, rich, slightly acidic soil, good drainage. Matures to 16-20" tall. (8") **BT,HM**
- 54. BEE BALM**, *Monarda* 'Raspberry Wine': Long flowering, stunning, fragrant, wine-red blooms July-Aug, great cut flower, aromatic foliage smells like mint, a hummingbird magnet, used in teas. Sun to part sun. Average water to dry soil, well-drained. Matures to 24-50" tall. (#2) **N,BE,BT,HM,RG**
- 55. PEONY**, *Paeonia* 'Duchesse De Nemours': A garden standby for 150 years, fragrant, double, full, pure white flowers with touch of cream in early June. Full sun. Moist, well-drained soil. Matures to 24-30" tall. (#3) **BT,MG**

56. RUSSIAN SAGE, *Perovskia atriplicifolia* 'Blue Jean Baby': Shorter, more manageable size, blooming earlier than most, it holds its brilliant blue flowering color from mid-summer to mid-fall. Full sun. Average soil. Matures to 30-34". (#1) **D,HM**

57. GARDEN PHLOX, *Phlox paniculata* 'Blue Paradise': Fragrant, in July-Aug, flowers emerge light blue, darken to deep blue, then violet-red, requires good air flow. Full sun. Moist, average soil. Matures 30-36" tall. (#2) **N,BT,HM**

58. BALLOON FLOWER, *Platycodon grandiflorus* 'Sentimental Blue': Very compact, forms balloon-like puffs before opening to blue, bell-shaped flowers through summer, easy, fast to grow, great in a rock garden, border or patio container, extend bloom by deadheading. Full sun to part shade. Well-drained, organically rich soil. Matures to 6-8" tall. (#1)

59. BLACK-EYED SUSAN, *Rudbeckia var. fulgida*: Golden rayed, deep brown-coned flowers bloom July thru Oct. Sun. Drought resistant. Matures to 24-30" tall. (#2) **N,BD,BE,BT,D,M,RG**

60. MEADOW RUE, *Thalictrum nimbosum* 'Pink': Beautiful, cloud-like sprays of lavender-pink flowers atop dark stems late spring into early sum, and feathery green foliage, does well in woodland setting. Sun to part sun, appreciates afternoon shade during hot summers. Avg to moist soil, able to grow in clay. Matures to 3-4' tall. (8")

KITCHEN & MISCELLANEOUS

61. BLUEBERRIES: *Vaccinium corymbosum*: Set of three individually potted plants for cross-pollination, each set has 3 plants-one each of: early, mid and late season bearing. Full sun. Moist, acidic (ideal pH 4.5-4.8), well-drained soil. Matures to 4-6' tall. (#1) **BD,BE,BT,RG** Perennial.

62. POBLANO PEPPER, *Pepper Ancho Poblano*: Abundant, mildly hot, tasty, 4" long peppers, maturing from green to red in 65 days, a staple in Mexican cooking (called Poblano when fresh, Ancho when dried). (#1) Annual.

63. CUCUMBER, Patio Snacker: Robust, early, high yielding, sweet, 8" long cukes with crunch, perfect for patio container with trellis. Full sun. Matures to 3-4'. (#1) Annual.

64. LEMON VERBENA, *Aloysia triphylla*: Delicate, long, narrow foliage, clean, fresh lemon scent, delicious in teas and potpourris, grows well in gardens, containers and indoors, adds a wonderful lemon flavor to any dish. Sun to part shade. Matures to 3-4' tall. (#1) Annual.

65. LINGONBERRIES, *Vaccinium vitis idaeae* 'Red Candy': Tight, evergreen leaves, lots of white flowers early, compact, vigorous, loaded with edible, large red berries, similar to small cranberries, tart and need sweetening, great in jam, a Scandinavian favorite! Full sun to part shade. Wet soil/wetlands to moist, well-drained acidic soil with compost. Matures to 8-10". (#1) Perennial.

66. PUMPKIN, 'Cinderella's Carriage': Flattened-round shape, heavy producer of 20-35 lb. pumpkins, reddish-pinkish-orangish color, yellow flesh is extremely nutritious, tasty, sweet, nutty, delicious, perfect to bake with, highly decorative. Fertile, well-drained soil. Full sun. Matures to 2-3' tall, spread of 5-6'. (#1) Perennial.

67. RED RASPBERRIES, *Rubus* 'Caroline': Vigorous, producing delicious, super sweet berries late July thru Aug, fast grower, rambles. Full sun to part shade. Matures to 4-6' tall. (#2) **BE,BT**

68. STRAWBERRIES, 'Cavendish': Excellent flavor and overall quality, attractive large fruit, winter hardy, long growing season, good resistance to disease. Sold by bundle of 25 bare root plants. Perennial. **BD**

69. FERTILIZER TABLETS: 1 application fertilizes 2 full years. Use 1-2 tablets for each plant set out. Easy to use, safe, will not harm new trees or shrubs. After holes are dug, place 1-2 tablets in hole under each plant, shrub or tree. Tablets slowly release plant food, feeding plants for 2 full years.

Come Learn About Pollinator Plants, Trees and Shrubs ~ Just in Time for the Plant Sale!

Tuesday, March 5 from 6:00 - 7:30 pm (Snow date March 6) at UConn Windham County Extension Center,
139 Wolf Den Road, Brooklyn with John LoRusso, Master Gardener Coordinator



OR

Tuesday, March 12, 6:30 - 8:00 pm (Snow date March 13) at Connecticut College,
270 Mohegan Avenue, New London with Emily May, Pollinator Conservation Specialist,
Pesticide program at The Xerces Society



Please register with Maura at: maura.robie@comcast.net or 860-319-8807 ~ No Charge

Eastern Connecticut Conservation District 2019 Spring Plant Sale

Name _____ Phone: Home _____ Work/Cell _____

Address _____ Town, ST, Zip _____

_____ I will pick up my order at the **Ocean State Job Lot Complex, Route 12, Gales Ferry**, on April 19th or 20th
(Southern end of building) on Friday, April 19, 1-6 PM ~ or Saturday, April 20, 9 AM to Noon

Space generously donated by Ocean State Job Lot

OR

_____ I will pick up my order at the **Brooklyn Fairgrounds, Route 169, Brooklyn**, on April 26th or 27th
(Fairground Road entrance) on Friday, April 26, 1-6 PM ~ or Saturday, April 27, 9 AM to Noon

Space generously provided by the Windham County Agricultural Society

Orders due postmarked no later than April 5, 2019 ~ Items 5 & 6 postmarked by March 12, 2019

**Evergreen Bareroot Seedlings sold by
Bundles of 25 SEEDLINGS-per-SPECIES**

1-3 Bundles \$30 each ~ 4 or more Bundles \$27 each

1. White Pine. No. of Bundles _____
2. White Spruce. No. of Bundles _____
3. Colorado Blue Spruce. No. of Bundles _____
4. Concolor Fir. No. of Bundles _____

***5. Balsam Fir - Earlier order deadline - No. of Bundles _____ * Item 5 order postmarked by March 12.**

***6. Fraser Fir - Earlier order deadline - No. of Bundles _____ * Item 6 order postmarked by March 12.**

No. of Tree Bundles _____ x Price per Bundle: \$ _____ = Seedling Total \$ _____

CODE KEY:

BD...attracts birds	BE...attracts bees
BT...attracts butterflies	D.....deer resistant*
HM...attracts hummingbirds	M.....works well in meadows
MG...works well in moon gardens	N.....native to New England
	RB.....works well as a riparian buffer plant
	RG.....works well in rain gardens

*but not always "deer proof" to a hungry deer!

TREES & SHRUBS				CODES	PRICE	QTY	TOTAL
7	Glossy Abelia	3gal	<i>Abelia x grandiflora</i> 'Kaleidoscope'	RB	\$38		7
8	Azalea	2gal	<i>Azalea</i> 'Lemon Lights'		\$24		8
9	Butterfly Bush	3gal	<i>Buddleia davidii</i> 'Nanho Blue'	BT, HM	\$25		9
10	Sweetshrub	3gal	<i>Calycanthus floridus</i>	N, BD, BT, D, RG	\$30		10
11	Red Bud	3gal	<i>Cercis canadensis</i>	N, BD, BE, BT, HM, M, RG	\$44		11
12	Summersweet	3gal	<i>Clethra alnifolia</i> 'Ruby Spice'	BT, RB, RG	\$30		12
13	Box Huckleberry	1gal	<i>Gaylussacia brach.</i> 'Berried Treasure'	BE, BT	\$17		13
14	Hydrangea	8"	<i>Hydrangea mac. E.S.</i> 'Summer Crush'		\$20		14
15	Winterberry	2gal	<i>Ilex verticillata</i>	N, BD, BE, RG	\$19		15
16	Holly - Female	2gal	<i>Ilex x meserveae</i> 'Blue Princess'	BD, D	\$21.50		16
17	Holly - Male	2gal	<i>Ilex x meserveae</i> 'Blue Prince'	BD, D	\$21.50		17
18	Juniper	2gal	<i>Juniperus communis</i> 'Blueberry Delight'	N, BD, D	\$28		18
19	Mountain Laurel	2gal	<i>Kalmia latifolia</i> 'Snowdrift'	RG	\$28		19
20	Northern Bayberry	2gal	<i>Myrica pensylvanica</i>	N, BD, BE, BT, RG	\$22		20
21	Beach Plum	2gal	<i>Prunus maritima</i>	N, BD, BE, BT	\$24		21
22	Rhododendron	2gal	<i>Rhododendron max.</i> 'Independence'	N, BE, BT, RG	\$27		22
23	Pussy Willow	2gal	<i>Salix discolor</i>	N, BD, BE, BT, RB, RG	\$21.50		23
24	Elderberry	3gal	<i>Sambucus canadensis</i> 'Adams'	N, BD, BE, BT, RB, RG	\$28		24
25	Lilac	3gal	<i>Syringa</i> 'Equinox Valley'	BT	\$35		25
26	Viburnum	3gal	<i>Viburnum nudum</i> 'Winterthur'	N, BD, BT	\$32		26
27	Weigela	3gal	<i>Weigela x D.N.</i> 'Maroon Swoon'		\$32		27
GRASSES							
28	Big Bluestem	2gal	<i>Andropogon gerardii</i> 'Red October'	N, BD, BT, D	\$16		28
29	Corkscrew Rush	1gal	<i>Juncus effusus</i> 'Big Twister'	BD, RG	\$11.50		29
30	Switchgrass	1gal	<i>Panicum virgatum</i> 'Cape Breeze'	N, BD, BT, D, RG	\$12		30
31	Switchgrass	2gal	<i>Panicum virgatum</i> 'Thundercloud'	N, BD, BT, D, RG	\$16		31

PERENNIALS			CODES	PRICE	QTY	TOTAL
32	Yarrow	2gal	<i>Achillea mille.</i> 'Strawberry Seduction'	BT,M	\$12	32
33	Wild Nodding Onion	1gal	<i>Allium cernuum</i>	N,BD,BE,BT,HM,M	\$10.50	33
34	Windflower	8"	<i>Anemone x</i> 'Madonna'	BE,M,MG	\$9	34
35	Sea Thrift	1gal	<i>Armeria maritima</i> 'Splendens'		\$8.50	35
36	Goat's Beard	2gal	<i>Arunco dioicus</i>	N,BT,MG,RG	\$14	36
37	Swamp Milkweed	2gal	<i>Asclepias incarnata</i>	N,BD,BT,D,HM,M,RG	\$14	37
38	Butterfly Weed	1gal	<i>Asclepias tuberosa</i>	N,BD,BE,BT,D,HM,M,RG	\$13	38
39	English Daisy	1gal	<i>Bellis perennis</i> Belissima 'Red'		\$8.50	39
40	Marsh Marigold	1gal	<i>Caltha palustris</i>	N,BD,BE,RG	\$10.50	40
41	Leadwort	8"	<i>Ceratostigma plumbaginoides</i>	BT,RG	\$10.50	41
42	Turtlehead	1gal	<i>Chelone glabra</i>	N,BD,BE,BT,HM,RG	\$10.50	42
43	Pinks	1gal	<i>Dianthus</i> 'Raspberry Ruffles'	BT	\$10.50	43
44	Wild Bleeding Heart	1gal	<i>Dicentra eximia</i>	N,BT,D,HM,RG	\$10.50	44
45	Purple Coneflower	2gal	<i>Echinacea purpurea</i> 'Ruby Star'	N,BD,BE,BT,D,HM,M,RG	\$14	45
46	Coral-Red Coneflower	8"	<i>Echinacea Sombbrero</i> 'Tres Amigos'	BD,BT,D	\$15	46
47	Geranium	8"	<i>Geranium cinereum</i> 'Ballerina'	BE,D	\$14	47
48	False Sunflower	2gal	<i>Heliopsis helianthoides</i> 'Burning Hearts'	N,BD,BE,BT,RG	\$14	48
49	Lenten Rose	8"	<i>Helleborus x</i> 'Dorothy's Dawn'	D	\$21.50	49
50	Hibiscus	3gal	<i>Hibiscus</i> 'Starry Starry Night'	BT, D,HM	\$21.50	50
51	Daisy	2gal	<i>Leucanthemum x superbum</i> 'Becky'	BT,D	\$12	51
52	Cardinal Flower	1gal	<i>Lobelia cardinalis</i>	N,BD,BE,BT,HM,RB,RG	\$10.50	52
53	Lupine	8"	<i>Lupinus</i> 'Staircase Orange'	BT,HM	\$15	53
54	Bee Balm	2gal	<i>Monarda</i> 'Raspberry Wine'	N,BE,BT,HM,RG	\$14	54
55	Peony	3gal	<i>Paeonia</i> 'Duchesse De Nemours'	BT,MG	\$24	55
56	Russian Sage	1gal	<i>Perovskia atriplicifolia</i> 'Blue Jean Baby'	D,HM	\$8.50	56
57	Garden Phlox	2gal	<i>Phlox paniculata</i> 'Blue Paradise'	N,BT,HM	\$14	57
58	Balloon Flower	1gal	<i>Platycodon grand.</i> 'Sentimental Blue'		\$8.50	58
59	Black-Eyed Susan	2gal	<i>Rudbeckia fulgida</i> var. <i>fulgida</i>	N,BD,BE,BT,D,M,RG	\$14	59
60	Meadow Rue	8"	<i>Thalictrum nimbis</i> 'Pink'		\$13	60
KITCHEN & MISC.						
61	Blueberries	1set	<i>Vaccinium</i> -1gal ea: early, mid, late-Per	BD,BE,BT,RG	\$38/set	61
62	Poblano Pepper	1gal	<i>Pepper</i> 'Ancho Poblano' Annual		\$9	62
63	Cucumber	1gal	'Patio Snacker' Annual		\$9	63
64	Lemon Verbena	1gal	<i>Aloysia triphylla</i> Annual		\$9	64
65	Lingonberries	1gal	<i>Vaccinium vitis idaeae</i> 'Red Candy' Per.		\$18	65
66	Pumpkin	1gal	'Cinderella's Carriage'		\$9	66
67	Red Raspberries	2gal	<i>Rubus</i> 'Caroline'	BE,BT	\$22	67
68	Strawberries	25	'Cavendish' (25/bundle-bareroot) Per.	BE,BD	\$8	68
69	Fertilizer Tabs		Use 1-2 per plant every 2 years	Instruct. inc. 10/\$4	25/\$8	69

_____ I WOULD LIKE TO VOLUNTEER TO HELP WITH THE PLANT SALE

Orders must be postmarked no later than April 5, 2019
 Items #5 & #6 postmarked no later than March 12, 2019

Make a copy of completed order form for your records.

Questions? Call: 860-319-8806
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NO REFUNDS on orders not picked up on distribution dates.
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Only check or cash accepted. Total Enclosed \$ _____

Please make check payable to, and send with order to:
 Eastern Connecticut Conservation District (or ECCD)
 238 West Town Street, Norwich, CT 06360

For additional information on the ECCD Plant Sale, please visit our website at: www.ConserveCT.org/eastern

Elm Farm Receives WLA Award

On November 14, 2018, Elm Farm in Woodstock, CT, owned by the Peckham Family, was awarded the Working Lands Alliance 2018 Farmland Preservation Path Finder Award at a ceremony at the Capitol in Hartford. This award recognizes individuals and groups in CT that have significantly advanced farmland preservation through leadership, advocacy, planning and education. Congratulations Elm Farm!



Southeastern Connecticut Stormwater Collaborative



Municipal planning and DPW staff attend the SE CT Stormwater Collaborative meeting in October 2018.

ECCD and the Southeastern Connecticut Council of Governments (SCCOG) have joined together to engage towns in southeastern Connecticut in the establishment of the Southeastern Connecticut Stormwater Collaborative. This project, funded by the Community Foundation of Eastern Connecticut, will bring southeastern Connecticut towns together to promote and facilitate the sharing of ideas, information and resources to assist with the management of stormwater and the implementation of the 2016 MS4 stormwater general permit.

As part of the project, ECCD will assemble tools and resources to support the needs of the towns, including a website with stormwater management

tools, information and links to resources, and a region-wide database of stormwater infrastructure.

The Collaborative held its first meeting in October 2018, and will meet quarterly to continue to develop and disseminate information and resources.

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Conservation Innovation Grant (CIG) – Monitoring Edge-of-Field Monitoring

Despite challenging weather from drought to torrential rain, some technical glitches, and a persistent mouse nesting in one of the equipment sheds, ECCD staff & volunteers persevered in finding a significantly more affordable way to monitor nutrient and soil loss through edge-of-field stormwater runoff.

If the modified edge-of-field monitoring approach becomes an accepted practice, it will benefit agricultural producers, particularly dairy farmers, by providing an affordable and simplified means to assess the economic impacts of their nutrient management and soil health practices. The cost of chemical fertilizers applied as a nutrient supplement, especially soluble nitrate/nitrogen, is tied to the fossil fuel industry and subject to fluctuating prices. Over-application of fertilizers leads to nutrient enriched runoff, which is a source of water pollution. Demonstrating that a field is exporting excess nutrients will provide guidance and motivate farmers to apply less fertilizer, which will save them money. An added environmental benefit is that less nutrients will be exported from the field and discharged to surface waters.

For this project, an innovative technique implemented by ECCD staff used passive edge-of-field stormwater samplers and a modified water quality monitoring protocol for collection and analysis of water samples. The comparison was to the standard edge-of-field monitoring equipment and protocols currently used by USDA Natural Resources Conservation Service (NRCS). A paired watershed project design, in two different fields with the same crop coverage, was employed to evaluate the consistency of the monitoring approach.

Dr. John Clausen of the Department of Natural Resources and the Environment at UCONN performed the

Continued on page 10

data analysis and determined there was no significant difference in water quality between samples collected from the passive stormwater sampler and the standard edge-of-field sampler. Also, when tested at the UCONN Center for Environmental Science and Engineering (CESE) lab, the tests for nitrate/nitrite, ammonia, orthophosphate, and total suspended solids were not significantly different. Although, when the same water quality parameters were tested using HACH nutrient test strips, the results tended to show higher soluble nutrient concentrations in the samples due to a higher minimum detection limit in the test strips. The HACH test strips were not reliable for measuring nitrite/nitrogen and orthophosphate at the concentrations being measured in the field. Additional methods will need to be sought and tested in order provide a comparable means for in-the-field nutrient testing.

A cost analysis demonstrated that the overall costs for the passive stormwater collection system using the GKY Samplers were approximately \$29,000 less over the project period than for the Standard NRCS system, as required under NRCS' Conservation Activity Code 202 which governs edge-of-field water quality monitoring system installation, due mostly to the cost of the ISCO Automated Sampler. Replacement batteries and regulators were needed occasionally throughout the project. The purchase of equipment constituted the bulk of the costs associated with system installation under Activity Code 202. Costs to deliver and have samples analyzed at the UCONN lab throughout the project were about twice as much as samples analyzed by two people using the HACH test strips. Labor costs were similar for both methods except there were higher costs to install equipment for the Standard NRCS system.

The long-term anticipated outcome is to promote the use of the modified edge-of-field water quality sampling protocol and the passive stormwater sampler, which will be easier to implement and less costly to conduct, while providing useful edge-of-field water quality monitoring data. Farmers will benefit by employing an easier and less expensive alternative to conduct edge-of-field monitoring, thereby using the data to adjust manure and fertilizer applications. Consequently, producers will realize economic benefits while improving water quality and wildlife habitat. It's a win-win situation.

Thank you to volunteers Grayce Gibbs, Tom Grasso, Rebecca Hyde, Bill Kivic, Todd Kreuzburg, Laura Miller, Bill Scalise, and our partners at UCONN.



Volunteer Bill 'GKY' Kivic checking passive stormwater sampler



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2018-19 ANNUAL APPEAL

We extend our sincere thanks and appreciation to so many of you who have supported our regional approach to natural resource conservation. Anyone wishing to donate may do so by sending your tax-deductible donation to:

**Eastern Connecticut Conservation District
238 West Town Street, Norwich, CT 06360.**

The 2019 Thames River Basin Partnership Floating Workshop

will feature the Yantic River on June 14, 2019.

To receive updates on this workshop or to get registration information, we ask you to visit

www.TRBP.org

and click on the news and events tab, or follow Thames River Basin Partnership on Facebook.

Special Recognitions at ECCD's Annual Meeting, October 10, 2018

Each year ECCD recognizes those who have played an important role in the year's accomplishments. Success in conservation is the result of coming together with like purpose and dedication and working together to protect our natural resources.



Award winners in attendance pictured from left to right are Mike Bartlett, Devon Avery, Bill Scalise and Rick Harless

This year's award winners are:

- Non Profit Partner of the Year Award:
Rick Harless, Roseland Park - Outstanding project support.
 - Muddy Boots Award:
Devon Avery - Dedication to water quality monitoring support.
 - Watershed Workhorse Award:
Bill Kivic - Longstanding dedication to Conservation Innovation Project support.
 - Project Support Award:
Laura Miller - Conservation Innovation Project support.
Bill Scalise - Conservation Innovation Project support.
 - Outreach Support Award:
Dorothy Sharog - Outstanding volunteer outreach support.
 - Watershed Workhorse Award:
John Cooke, Boy Scouts of America - Rain garden project support.
 - Industry Support Award:
Hull Forest Products, presented to Mike Bartlett - Bioreactor project support.
- * * * *
- Municipal Partner Honorable Mention:
Town of Killingly Public Works Dept. - Rain garden project support.

~ ~ ~

ECCD serves the Towns of Andover, Ashford, Bozrah, Brooklyn, Canterbury, Chaplin, Columbia, East Lyme, Eastford, Franklin, Griswold, Groton, Hampton, Killingly, Lebanon, Ledyard, Lisbon, Mansfield, Montville, New London, North Stonington, Norwich, Plainfield, Pomfret, Preston, Putnam, Scotland, Sprague, Sterling, Stonington, Thompson, Union, Voluntown, Waterford, Windham and Woodstock.

Website Migration

ECCD, along with CT's additional four Conservation Districts, are working together to migrate to a new shared webhost. Our website address will remain the same, www.ConserveCT.org/eastern, but our appearance will change and our information will be more readily updated. We reach out to you for your patience during transition as we strive to provide you with improved online services.

Thank you.



Eastern Connecticut Conservation District, Inc.
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Norwich, CT 06360

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2019
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Like us on Facebook at
 Eastern Connecticut Conservation District
 and receive updates on ECCD activities.

2019 ECCD PLANT SALE
The postmark deadline for plant orders is April 5th
** with March 12 early deadline for Balsam Fir and Fraser Fir seedlings **
See order form on pages 7 & 8.

I perhaps owe having become a painter to flowers. ~ Claude Monet



Eastern Connecticut Conservation District, Inc.
 A non-profit Natural Resource Conservation Organization
www.ConserveCT.org/eastern

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