

CrossSection



WINTER/
SPRING

Inside this Issue

- 10 Steps to a Successful Timber Harvest..... 1,5,6
- 2016 Conservation Tree Seedling Sale descriptions 2,5
- 2016 Conservation Tree Seedling Sale Order Form. 3,4
- From the Farmer, To Your Table6

10 Steps to a Successful Timber Harvest

Aaron Kash, Area 5 Service Forester

Step 1 Identify Goals for Your Woodland

What do you want to do with your woodland? Identify whether you want to produce timber, enhance wildlife habitat, provide areas for recreation, produce maple syrup, produce firewood, and/or enhance aesthetics.

Step 2 Consult with Your Ohio DNR Service Forester

Service Foresters work one-on-one with woodland owners to help them create a management plan for their woodland. Specifically, they can determine if a timber harvest would be beneficial and feasible, provide harvest specifics such as how to select trees for harvesting, how to estimate harvest volume, and proper timber marketing guidance.

Step 3 Hire a Consulting Forester

If a timber harvest will help achieve your management goals, hiring a

consulting forester is strongly encouraged. A consulting forester will mark and measure trees based on your goals and forest needs. They will oversee the timber sale from start to finish, strive to earn as much money as possible while only cutting trees that will benefit woodland goals, and be your representative when administering the sale. Consultants work for a fee which can vary among foresters and is dependent upon the type of project, project size and complexity, and location.

For a list of Society of American Foresters certified consulting foresters visit http://www.osafdirectory.com/Find_A_Consulting_Forester.htm. Also, be sure to check references from landowners that have recently worked with them.

Continued on Page 5



Forest of tulip trees after thinning.



**Lake County Soil & Water
Conservation District**

125 E. Erie St., Painesville, OH 44077
Phone: 440-350-2730
East End: 428-4348 ext. 2730
West End: 918-2730
1-800-899-LAKE ext 2730
Office Hours: Mon.-Fri. 7:30 am-4:00 pm
E-mail: soil@lakecountyohio.gov
Website: www.lakecountyohio.gov/swcd

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Member of:

Lake County Farm Bureau
Nursery Growers of Lake County Ohio
National Association of Conservation Districts
Ohio Federation of Soil & Water Conservation Districts

Lake County Soil and Water Conservation District

CONSERVATION TREE SEEDLING SALE

Trees and shrubs All species are available in quantities of 5, 10, 25 or 50

WHITE PINE When planted in a row or grouping, this conifer species will grow quickly, form a privacy screen or windbreak and will do well in many soil types. 🌲❄️

EASTERN HEMLOCK Hemlocks love shade and moist, well-drained soils. The glossy, dark green needles are great for creating year-round understory in a young forest, or a privacy screen. 🌲🐦❄️

BLACK SPRUCE This "almost Ohio native" evergreen tree is more diminutive than its white spruce relative. Tolerant of wet and acidic soils. 🌲💧❄️

AMERICAN LARCH Ohio's only native deciduous conifer. This tree's needles turn a brilliant yellow in fall before falling. Likes wet conditions. 🌲🍂

EASTERN RED CEDAR Red cedar can be trained to form a hedge or planted in a windbreak, and will provide food and shelter to wildlife. 🌲🐦❄️

BLACK MAPLE Closely related to sugar maple, these species can be difficult to distinguish. In some areas, black maples have shown a greater tolerance for heat and drought than sugar maples and can still be tapped for sugaring. 🍂✂️

YELLOW BIRCH Clean, dark green foliage turns golden-yellow in fall. And golden-peeling bark provides great winter interest. Prefers moist, well drained, cool soils. 🍂❄️

AMERICAN CHESTNUT These trees were once common in eastern forests. These seedlings are a pure strain and are not blight resistant. Likes sunny, moist to well-drained sites. 🐦✂️

SHELLBARK HICKORY A relative of the familiar shagbark hickory, this species prefers moist bottom land soils. Nuts are edible. 🐦✂️

OHIO BUCKEYE Ohio's state tree. Dark green leaves turn yellow or orange-red to reddish-brown in fall. Greenish-yellow flowers bloom in May. Like sun and moist, well-drained soil. 🍂🌸

MUSCLEWOOD This interesting understory tree has trunks that resemble lean muscles and hop-like fruits. ❄️

PAW PAW Known for its banana-like September fruits, large tropical-looking leaves and unique, rich red flowers, this tree provides 3 seasons of delight. 💧✂️

SHADBLOW SERVICEBERRY Lacy spring blooms are followed by tasty berries you and the birds will love! Grows up to 20'. 🐦🍂✂️

AMERICAN HAZELNUT This multi-stemmed shrub forms a rounded top. Half inch long edible nuts ripen in autumn. Prefers well-drained soils. 🐦✂️

GREY DOGWOOD This medium-sized shrub is the perfect addition to your yard, border or stream buffer. Creamy white flowers in June followed by white berries on red pedicels in fall. 💧🌸

WITCH HAZEL A large shrub with intriguing crooked branches and zig-zagged twigs. It is prized for spidery yellow flowers that bloom in late fall. Does well in sun or shade. 🌸❄️

SPICEBUSH This understory shrub/small tree with lemon-scented foliage and red berries is great for attracting wildlife like swallowtail butterflies and songbirds. 🐦🍂leap.

WINTERBERRY Deciduous shrub with bright red persistent fruits in winter. Native to swampy places but does well in light to medium moist loam. Sun or partial shade. 🐦❄️

NINEBARK This shrub's attractive peeling bark, rich-green foliage and white clusters of flowers are sure to add interest to your landscape. 💧🐦🌸❄️

HAZEL ALDER This shrub will be at home in a wet part of your yard. Showy late-winter catkins provide interest. 💧❄️

PURPLE FLOWERING RASPBERRY Upright shrub with purplish-pink, fragrant showy flowers in summer that yield red, flattened, edible fruit. Great for naturalizing in a shady area. 🐦🌸✂️

AMERICAN CRANBERRY Not just for Thanksgiving, this woody, low-growing, edible-berry-yielding, evergreen makes a great ground cover. 🌲💧🐦✂️

Native perennials and grasses All species are in 2 gallon containers. Grown locally in Lake county!

SWAMP CANDLES This wildflower's erect stems are tipped with slender spikes of small, star-like yellow flowers with red spots at the base of each petal in summer. In a wetland or rain garden, this showy native provides mid-summer interest. 💧🌸leap.

LITTLE BLUESTEM This native grass has blue-green foliage and provides a great backdrop for prairie flowers in summer and turns a striking crimson in autumn. Excellent in dry sandy soils for massing and in prairie plantings. 🍂🌸leap.

More backyard conservation goodies

WISHING WELL COMPOSTER Compost yard and food waste with this 18 cubic foot compost bin. Lightweight and with an open bottom this composter is easy to use.

BIRDHOUSES Bluebird, wren, bat and wood duck/screech owl. The houses come unfinished and ready to hang. While supplies last!

TREE FLAGS White flags on wire to help minimize mower casualties.

EASTERN GREAT LAKES NATIVE POLLINATOR SEED PACKET This mostly wildflower mix from Ohio Prairie Nursery is sure to bring back the pollinators. This neonicotinoid and pesticide free mix has the Xerces Society seal of approval.

Order Form

Please fill out this page front and back and return to Lake SWCD by March 11, 2016.

NAME _____

ADDRESS _____

CITY, STATE ZIP _____

DAYTIME PHONE _____

EMAIL (IF YOU DO NOT PROVIDE AN EMAIL CONTACT YOU WILL NOT RECEIVE A PICK UP REMINDER) _____

____ CHECK HERE IF YOU ARE A NEW CUSTOMER OR AN UPDATE TO OUR MAILING LIST

****OFFICE USE ONLY****

CHECK # _____ CASH _____

DATE _____ RECEIPT# _____ SWCD EMPLOYEE INITIALS _____

ADDITIONAL NOTES: _____

SPECIES/ ITEM	# OF SEEDLINGS PER PACKET/ QUANTITY	PRICE	# OF PACKETS	TOTAL (PRICE X # OF PACKETS)
White pine	5	\$8		
	10	\$15		
	25	\$35		
	50	\$60		
Eastern hemlock	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
Black spruce	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
American larch	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
Red cedar	5	\$8		
	10	\$15		
	25	\$35		
	50	\$70		
Black maple	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
Yellow birch	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
American chestnut	5	\$20		
	10	\$40		
	25	\$100		
	50	\$150		
Shellbark hickory	5	\$20		
	10	\$40		
	25	\$100		
	50	\$150		
Ohio buckeye	5	\$14		
	10	\$26		
	25	\$65		
	50	\$100		
Musclewood	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
Paw Paw	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
Shadblow serviceberry	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
American hazelnut	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		

SPECIES/ ITEM	# OF SEEDLINGS PER PACKET/ QUANTITY	PRICE	# OF PACKETS	TOTAL (PRICE X # OF PACKETS)
Grey dogwood	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
Witch hazel	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
Spicebush	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
Winterberry	5	\$12		
	10	\$22		
	25	\$55		
	50	\$90		
Ninebark	5	\$10		
	10	\$18		
	25	\$45		
	50	\$75		
Hazel alder	5	\$20		
	10	\$38		
	25	\$95		
	50	\$150		
Purple flowering raspberry	5	\$16		
	10	\$30		
	25	\$75		
	50	\$125		
American cranberry	5	\$18		
	10	\$34		
	25	\$85		
	50	\$150		
Swamp candles	1 per 2 gallon container	\$10		
Little bluestem	1 per 2 gallon container	\$10		
Wishing well composter	1	\$50		
Bluebird box	1	\$12		
Wren house	1	\$12		
Bat House	1	\$16		
Duck/owl house	1	\$30		
Eastern Great Lakes Native Pollinator seed packet	1 oz PLS covers 250	\$16		
Tree flags	20	\$1		

Subtotal	
Packaging fee (required on all plant orders)	\$5
Total	\$

To order

Fill out the form on opposite page. **Keep this page for reference.**

Orders will not be processed until payment is received. Sorry, we cannot take credit cards.

Place orders by March 11. Any order placed after that date will be subject to availability.

Send form, along with payment to: **Lake SWCD, 125 E. Erie St. , Painesville, OH 44077**

To pick up your order

Tree pickup will be in the Natural Resources Building at the Lake County Fairgrounds, 1301 Mentor Ave., Painesville, OH 44077

Pick-up times are Friday, April 15 from 9 AM to 6 PM and Saturday, April 16 from 9 AM to Noon.

If you provide your email you will receive a pickup reminder.

Lake SWCD is not responsible for orders that are not picked up by noon Saturday. If you cannot pick up your trees, please make arrangements for someone else to pick them up.

Orders will be distributed in 5 gallon buckets, and should fit in most cars.

There may be additional seedlings and conservation gifts for sale on pick-up day. Walk-ins are welcome but subject to availability.

We reserve the right to make substitutions if necessary. The plants are nursery inspected to be disease-free.

Lake SWCD cannot guarantee their survival after distribution. Planting instructions will be provided when you pick up your trees.

Symbol Key



Wildlife value



Flowering



Not preferred by deer



Tolerates/Prefers wet soils



Fall color



Edible



Winter interest



Evergreen



2016 LEAP Native Plant

Continued from page 1

Step 4 Mark and Measure Your Timber Sale

Once a contract with a consulting forester has been signed, they will begin to mark and measure your trees. Each tree selected for harvest will receive a horizontal line of paint at chest level, as well as a paint mark on the root flare. Selected trees will also be measured for volume based upon the tree's diameter at breast height (DBH) and the merchantable height of the tree. The species and volume for every tree marked for harvest is tallied and recorded.

Step 5 Advertise and Collect Bids

Once timber has been marked, your forester can tell you the volume by species that will be harvested. This summary is mailed out to prospective buyers. Interested buyers will review the marked timber and submit a bid to buy the trees selected for harvest. Your forester can predict what the expected value will be based on tree quality and current market prices and advise you on the quality of the bids once they are received.

Step 6 Select a Bid/Buyer

Bids from interested buyers may vary significantly. Sellers should always retain the right to accept or refuse any or all bids. You are also entitled to select a bid for any reason such as: highest bid, buyer reputation, ease to work with, timeline or harvest plan specifics.

Step 7 Sign Contract and Collect Payment

Your consulting forester will draft a contract for you to present to the buyer to sign. This contract will specifically outline what is expected of the logging company and will detail aspects of the harvest such as harvest timeline, harvest restrictions, and utilization of best management practices. Payment will also be collected at this time. The landowner should always be paid in full before any harvesting begins.

Step 8 Conduct Timber Harvest

Beginning the timber harvest will depend on environmental conditions as well as other conditions or timeline issues outlined in your contract. Your consulting forester will likely be on site when harvesting begins to cover any special instructions and also perform inspections throughout the harvest.

Step 9 Post-Harvest Reclamation

When the harvest is complete the logging crew will conduct any post-harvest activities that were outlined in your

Continued on Page 6



Harvested tree with its marked stump.



Recycled Paper

From the Farmer, to Your Table

Ingredients

3 cloves crushed or finely chopped garlic
1 large onion, chopped
2 tablespoons extra-virgin olive oil
1 pinch red pepper flake (optional)
2 quarts chicken or vegetable stock
1 28 ounce can crushed or diced tomatoes
3 pounds potatoes, halved then sliced into 1/4 inch slices
1 big bunch of kale, collards, chard, spinach or other dark leafy green of choice. Stems picked and coarsely chopped
1/4 teaspoon nutmeg, grated or ground
1 Parmesan cheese rind (optional)
Salt and pepper

Red, White and Green Soup

This quick soup is hearty enough for the dead of winter and a great way to use those early local greens. Chickpeas, cannellini beans or Italian sausage would be great additions to customize it to your taste.

Serves 4

Instructions

In a deep pot, sauté garlic and onion in oil for 2 or 3 minutes. Add red pepper flake and continue to sauté for another 30 seconds. Stir in tomatoes and heat through, 1 or 2 minutes. Add broth and cheese rind and bring liquid to a boil. As you slice potatoes, add them carefully to the broth. Cook potatoes 20 minutes, stirring occasionally. The potatoes will begin to break up and thicken broth as the soup cooks. Stir in greens of choice in bunches as it wilts into soup. Season soup with nutmeg, salt and pepper, to your taste.

Serve topped with chopped herbs and grated Parmesan or crumbled feta and some crusty bread to sop up any leftover broth!



Continued from page 5

contract. This may include items such as creating waterbars or grade reversals along steep skid trails, seeding areas along trails and the log landing, removal of all trash and equipment, or the leveling of tree-tops and branches. Your forester will inspect your woodland to ensure all required activities were satisfactorily completed.

Step 10 Continue Your Woodland Management

Timber harvesting is only one facet of forest management. You may need to monitor and control invasive species, address problematic wild grapevines, monitor for any sediment loss due to soil erosion, or remove cull trees long after your harvest is complete. These actions will improve your woodland and continue moving it along the path of achieving, or maintaining your forest management goals.

For a real world example of a successful timber harvest in our area read, Timber Done Right: An Example of the Proper Way for Landowners to Market, Sell and Harvest Timber, at <http://www.lakecountyohio.gov/swcd/Publications>