

Darke SWCD

1117 South Towne Court
Greenville, OH 45331

Phone: 937.548.1715, Ext. 3
Fax: 937.548.2925

Serving conservation needs
in Darke County since 1955



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Conservation Highlights

Winter 2013

UPCOMING EVENTS FROM OSU EXTENSION:

2/21 - Livestock Mortality Composting Certification Training

7:00 PM @ Darke County Extension

2/26 - Darke/Shelby Ohio Beef Cattle School

7:00 PM @ Shelby County Extension

2/27 - Private Pesticide Applicator Recertification Training

1:00 PM & 6:00 PM @ VFW Greenville

3/13 - Private Pesticide Applicator Recertification Training for Categories 3, 4, 5

1:00 PM & 6:00 PM @ Darke County Extension

3/18 - Private Pesticide Applicator Licensure Exam

10:00 AM @ Darke County Extension

3/19 - Darke/Shelby Ohio Beef Cattle School

7:00 PM @ Shelby County Extension

Contact Darke County Extension at 937-548-5215 or email custer.2@osu.edu.

SOIL FERTILITY/NUTRIENT MANAGEMENT WORKSHOP ANNOUNCEMENT

The Darke SWCD and OSU Extension are hosting a Soil Fertility/Nutrient Management Workshop later this winter. Space will be limited, if you are interested call 937-548-1715, Ext. 3 for details. This workshop will be an in-depth and intense look at soil fertility and nutrient management and how it applies to your farming operation. Educational materials will be handed out to all participants. The workshop will take place over a series of four, 2-hour evening meetings (meal included). More details will be available once dates are finalized.

Are you interested in receiving the newsletter and other district updates electronically?

Email jared.coppess@oh.nacdnet.net

Conservation Highlights

Issue 246
February 2013



Rain Garden Installed on Wayne Avenue



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INSERT: 2013 Tree Sale

Back in October, the Darke SWCD partnered with the City of Greenville to install a rain garden on Wayne Ave (just behind the SWCD office). With the help of some Greenville fourth grade students and the Ladybug Garden Club, the rain garden was planted and mulched in an afternoon. There were over 430 plants planted in an area of 1,035 square feet.

Rain gardens are designed to increase infiltration allowing rain and snowmelt to seep naturally into the ground. Over the years, development has resulted in an increase of impervious surfaces. During a rainstorm, instead of being absorbed and filtered by the soil, the storm water runs off the land attributing to flooding and water quality issues. Rain gardens are one measure that can help increase infiltration of storm water.

Some of the other benefits of installing a rain garden are that it will recharge the groundwater supply, provide a habitat for birds and butterflies, reduce landscape maintenance and increase property values.

If you are interested in learning more about rain gardens, please call the office at 937-548-1715, ext. 3.

Above is a picture of the rain garden installed on Wayne Avenue in Greenville.

Find more pictures and information on pages 2 and 3

Darke SWCD Staff Members

Jared Coppess — Program Administrator
Linda Calland — Secretary
Doug Steinbrunner — Technician/Wildlife Specialist
Tim Rank — Technician
Greg McGlinch — Urban/MNM Specialist

Darke NRCS Staff Members

Jim Bennett — District Conservationist
John Bleill — Civil Engineering Technician

DARKE SWCD OFFICE HOURS

Monday — Friday
8:00 AM — 4:30 PM

“Serving conservation needs in Darke County since 1955”

Wayne Avenue Rain Garden



ABOVE LEFT: This picture is taken of the area before construction began. The rain garden is located at the end of Wayne Avenue, just off Birt Street, across from the Fairgrounds.

ABOVE RIGHT: Fourth graders listen to Chris Ward (City of Greenville) and Greg McGlinch (Darke SWCD) explain the purpose behind the rain garden and demonstrate how to remove the plant from its container and plant in the appropriate location. Shortly after the students helped with the rain garden installation.

BELOW (LEFT & RIGHT): Pictures taken from a December rain event. The picture on the left was taken during the storm and the picture on the right was taken 24 hours after. The rain garden worked by collecting the storm water runoff and allowing it to naturally filter through the soil.

NEXT PAGE: This is the sign that will be displayed on site. It gives a layout of the rain garden, some background information on what rain gardens do and acknowledges all the organizations and businesses that made this installation possible.



Cover Crop Pictures

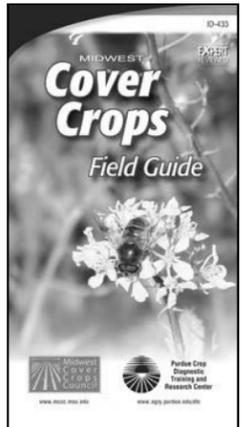


LEFT: Two photos from cover crops planted around Darke County last year. The upper left picture is a field of Buckwheat in August and the lower left picture is a field of Cereal Rye in March that was planted after corn.

Both varieties are excellent in short windows of time due to their rapid growth which helps with weed suppression. Without proper management though, Buckwheat and Cereal Rye can pose a problem if the plant is allowed to go to seed.



RIGHT: The Midwest Cover Crop Field Guide is an excellent resource and a free copy can be picked up at the Darke SWCD office, while supplies last.



Annual Meeting and Banquet Recap

The 57th Annual Meeting and Banquet was held at the Greenville VFW on November 19, 2012. The guest speaker was Dale Minyo from Ohio Ag Net. Minyo's main message to the audience was how things are run "by those who show up". He explained how he has witnessed this throughout his life. With agriculture being less than 2-percent of the American population it is important that farmers take the time to "show up" and explain to the public what they do and why they do it.

Minyo also talked about the importance of water, in both agriculture and everyday life. And finally, he touched upon the Farm Bill debate going on in Washington, D.C.

The Darke SWCD took the opportunity to recognize a few people who's dedication has made a difference in the county. Melvin Stucke retired as a supervisor after 9 years on the board, Cyndie Rhoades retired after 27 years on staff with the district and Ed

Everman retired after 35 years with the Ohio Department of Natural Resources.

Other awards given for 2012 were as follows:

Cooperator of the Year: Larry and Jeff Martin

Darke County Envirothon Team High Score: Greenville

Darke County FFA Land Judging Contest

Rural Team: Versailles FFA

Rural Individual: Patrick Garber, Greenville FFA

Urban Team: Tri-Village FFA

Urban Individual: Tiffany Mogle, Tri-Village FFA

Rain Barrel Decorating Contest: Greenville FFA

Teacher of the Year: John Guttadore, Greenville.

Thank you for a successful 2012, we look forward to celebrating another one in 2013!

Controlling Spring Cover Crops

By Greg McGlinch

The snow has melted, the green haze of a cover crop has begun to appear, and the 2012 season is still fresh on our minds. It's currently a good time in the year to reflect on the past in preparation for the future. The 2013 crop season is slowly creeping upon us which reminds us we must have a plan of action for spring planting. Farmers may be thinking what shall I do with that cover crop that has been protecting one of my most valuable investments, the soil?

Just what aspects or actions should farmers pay special attention to when trying to terminate a cover crop that has been protecting Darke County's valuable resource? Experience and research provide some of the most valuable tools in successful management of cover crops. Below are a few recommendations that could prove useful in terminating your 2012 cover crop in preparation for the 2013 crop season.

1. If spring conditions show a tendency of being dry, terminate the cover crop early. If spring begins to favor wet conditions utilize the cover crops ability for evapotranspiration of the moisture from the soil.
2. Select herbicides that will kill the cover crop while not having a residual effect on your cash crop.
 - A) Apply herbicides at the legal label rates.
 - B) Early spring temperatures are always a concern when applying herbicides. It is advised to check the herbicide label for acceptable temperatures and environmental conditions.
 - C) Pay attention to weather conditions, especially rain events.
3. Terminate the cover crop a minimum of 8-10 days prior to planting corn.

4. Do not allow the cover crop to get over 6 inches when using tillage.
5. The addition of nitrogen to a cover crop can help balance the C:N ratio, especially in your corn crop.
6. Some farmers have used a crimping roller to terminate their cover crop. Using this method requires a farmer to pay attention to the maturity of the plant with the most successful control when the plant is flowering or heading.
7. Grazing of the cover crop is another option for terminating the cover crop followed by tillage or a herbicide treatment for better control.
8. When planting soybeans, direct seeding into a living cover crop is an option that farmers have been utilizing. After planting, a herbicide application should be conducted to control the cover crop and any additional weeds. Do not try this on a large amount of acres if you do not have experience with this practice.

These are just a few recommendations for termination of your cover crop. Understanding the characteristics of your cover crop is important in determining the proper method of control. A document that could be a good resource is [Successful Cover Crop Termination with Herbicides](#) (Purdue Extension's Factsheet Ws-50-W). There are also a multitude of resources on-line and at your local Extension and Soil and Water Conservation District. Remember farming is full of opportunities; some are successful while others are considered a learning experience. Please contact the Darke SWCD if you have any questions on cover crops.

More Than 132,000 Deer Harvested in 2012-13

COLUMBUS, OH—According to the Ohio Department of Natural Resources' (ODNR) Division of Wildlife, this year Ohioans have checked 132,062 white-tailed deer during the youth gun, traditional week-long, extra gun-hunting weekend and muzzle-loader seasons. Archery numbers aren't yet available since the season doesn't close until February 3.

"Ohio's healthy deer population offers a great source of outdoor recreation to many Ohio residents and out-of-state hunters," said ODNR Director James Zehringer.

In Darke County, hunters checked 505

white-tailed deer during the gun and muzzleloader hunting seasons. This is nearly a 27 percent increase from 2012 where only 398 were checked in. In contrast, the statewide deer harvest numbers are down a little more than 2 percent from 2012.

The white-tailed deer is the most popular game animal in Ohio, frequently pursued by generations of hunters. Ohio ranks eighth nationally in annual hunting-related sales and 10th in the number of jobs associated with hunting-related industries. Hunting has an \$859 million economic impact in Ohio through the sale of equipment, fuel, food, lodging and more.

More information about Ohio deer hunting can be found in the [2012-2013 Hunting and Trapping Regulations](#) at the Ohio Department of Natural Resources website.

ODNR ensures a balance between wise use and protection of our natural resources for the benefit of all.



Rain Garden Sign

WAYNE AVENUE RAIN GARDEN

What is a Rain Garden?
Rain Gardens are attractive landscape features with perennial native plants which don't mind getting "wet feet". Built in a saucer shape, rain gardens are designed to increase infiltration allowing rain and snowmelt to seep naturally into the ground.

Why do we need Rain Gardens?
Over the years, development of our land has resulted in compacted soil and an increase in impervious surfaces such as rooftops, parking lots and roads. During rainstorms, instead of being absorbed and filtered by the soil, the storm water runs off the land, which contributes to flooding and water quality issues. Rain gardens are one measure that can help to increase the infiltration of storm water.

What are the benefits of a Rain Garden?

- Recharge groundwater supply
- Filter polluted storm water runoff before it enters rivers and streams
- Reduce local flooding potential
- Provides habitat for birds and butterflies
- Reduce landscape maintenance
- Increase property values

Rain Garden Details:

- 1,035 square feet in size
- 437 native plants.

Project Sponsors

- Flory Landscaping & Lawn Care Inc.
- Greenville City Schools
- Greenville Medical Center - Timothy D. Kathman M.D.
- Ladybugs Garden Club
- Marianist Environmental Education Center

- BLUE VERVAIN
- BOTTLEBRUSH
- GOLDEN ALEXANDERS
- GRAY SEDGE
- HAIRY WINGSTEM
- HALBERD-LEAVED ROSE MALLOW
- NEW ENGLAND ASTER
- MONKEY FLOWER
- NORTHERN BLUE FLAG
- MEADOWSWEET
- ORANGE CONEFLOWER
- OHIO SPIDERWORT
- PURPLE CONEFLOWER
- RYDELL'S GOLDENROD
- SHURBEY CINQUEFOIL
- SMOOTH OXEYE
- SWAMP MIL KWIFFED
- SWAMP ROSE-MALLOW
- THREE-LOBED CONEFLOWER
- WILD RIVER OATS
- WILD COLUMBINE

This project is financed in part through a grant from the Ohio Environmental Protection Agency and the United States Environmental Protection Agency, under the provisions of Section 319(h) of the Clean Water Act.

Board Reorganization & 2013 Meeting Times

At the January board meeting, the Darke SWCD swore in their recently elected Supervisors: Tom Harrod and Bruce Kress. Tom is entering his seventh year of service on the board and Bruce is a newly elected supervisor. The board reorganized with their annual election of officers.

2013 Darke SWCD Officers

- Chairman**..... Don Lecklider
Vice Chair..... Tom Harrod
Treasurer..... George Skidmore
Secretary..... Bill Roll
Publicity..... Bruce Kress

For 2013, the monthly board meetings will be held on the first Monday of each month at 8:00 a.m. at the Darke SWCD office, 1117 South Towne Court, Greenville. Special board meetings may be scheduled throughout the year. If a special board meeting is necessary, the location, date and time will be sent out via news release to local media. Meetings are subject to rescheduling; therefore, please call the office (937-548-1715, Ext. 3) to verify meeting date and time if you are interested in attending.

Fiscal Cliff and Farm Bill Update—January 2013

By Laura Wood Peterson, Director of Government Affairs, NACD

As the ball dropped on the end of 2012 and a new year began, a last-minute deal passed the Senate by a vote of 89-8 and passed the House by a vote of 172-85. This deal largely addresses tax issues by changing estate taxes to 40% with a \$5 million deduction and raising income taxes on families making more than \$450,000 and individuals more than \$400,000. It also increases the capital gains tax to 20% for those above the \$400,000/\$450,000 level and uses a permanent fix for the alternative minimum tax. The bill extends most of the 2008 Farm Bill, including direct payments, for nine months but does not include many expiring energy and organic programs and does not reform milk policy.

The farm bill extension contains limited authority with reduced dollar amounts for most conservation programs, including WRP, GRP, FRPP, EQIP, CSP, WHIP, CRP, CBWI, Healthy Forests, and VPA. The Small Watershed Rehabilitation program did not receive mandatory money in the farm bill extension but has been appropriated discretionary funding through the CR in P.L. 566 and P.L. 534.

The short-term thinking of this extension makes it difficult to fully use all of the conservation tools, including enrolling CSP contracts in 2013 because of funding issues. We now have to see how OMB apportionments money for WRP, GRP and FRPP. CRP baselines will be a big issue for trying to write a farm bill in 2013, where uncertainty about sequestration, the President's Budget, CBO March baselines, and the 2014 appropriations bill will dominate our conservation discussions. The efficiencies and savings found in the 2012 framework have been lost with this extension, and this nine-month deal ignores the 2012 Farm Bill framework passed by the Senate and

House Agriculture Committee that took a common sense approach to our resource needs across the landscape by consolidating 27 programs into four major categories: (1) working lands programs that deal with soil health, (2) easements that are simplified, (3) CRP with important haying and grazing provisions, and (4) a partnerships program to find watershed scale solutions to water quality and quantity concerns. NACD finds it extremely unfortunate that farmers and landowners will be left without the certainty of a five-year policy and the assistance of critical programs to protect America's land, air and water that ensure proactive planning for a sustainable food, fiber and fuel supply for the future.



When Chairwoman Stabenow and Chairman Lucas saw the writing on the wall during the Fiscal Cliff negotiations, they worked together to form a 78-page thoughtful, one-year farm bill extension, tailored to the needs of the landscape. However, their work was disregarded in this end-of-the-year deal, just as the 2012 Farm Bill was never given the opportunity to come to the House Floor. In a time of tremendous drought in the West and hurricane damage in the East, the \$850 million in disaster aid included in the extension plan agreed to by Senate and House Agriculture Committee Leadership was not included in this deal.

This bill does not address long-term budget cuts and only kicks the can down the road to delay sequestration for only two months. This bill does not raise the debt ceiling, so in two months Congress will be fighting the same budget fights that led to this deal, including the expiration of

the Continuing Resolution funding the government through March 27, 2013. In total, this bill does not address deficit reduction whereas the 2012 Farm Bill as passed by the full Senate and the House Agriculture Committee would have saved taxpayers \$23 billion and \$33 billion respectively, while maintaining critical funding for the necessary conservation programs that proactively address resource concerns. This short-term extension leaves farmers and landowners without the certainty they need to plan for the future of their land and businesses, so now that Congress has dealt with the Fiscal Cliff, NACD urges the Senate and House Leaders to make the passage of a long-term Farm Bill with a strong Conservation Title as a top priority.

The short-term thinking of this extension makes it difficult to fully use all of the conservation tools.

NACD Statement on Farm Bill Extension



short-term Farm Bill extension rather than a five-year comprehensive bill.

"It is extremely unfortunate that farmers and landowners will be left without the certainty of a five-year policy and the assistance of critical programs to protect America's land, air and water and ensure proactive planning for a sustainable food, fiber and fuel supply for the future.

"In total, the fiscal cliff bill does not address deficit reduction, whereas the 2012 Farm Bill as passed by the full Senate and the House Agriculture Committee would have saved taxpayers \$23 billion and \$33 billion

WASHINGTON, D.C.— January 2, 2013 — National Association of Conservation Districts (NACD) President Gene Schmidt made the following statement regarding Congress' passage of a

respectively, while maintaining needed funding for important conservation programs. This bill does not raise the debt ceiling, so in two months Congress will be fighting the same budget fights that led to this deal, including the expiration of the Continuing Resolution funding the government through March 27, 2013.

"When Chairwoman Stabenow and Chairman Lucas saw the writing on the wall during the 'fiscal cliff' negotiations, they worked together to form a 78-page thoughtful farm bill extension, tailored to the needs of the landscape. However, their work was disregarded in this deal, just as the 2012 Farm Bill was never given the opportunity to come to the House floor. In a time of tremendous drought in the West and hurricane damage in the East, the \$850 million in disaster aid included in the extension plan agreed to by Senate and House Agriculture Committee Leadership was not included in this deal.

"The shortsighted extension leaves farmers and landowners without the certainty they need to plan for your future food needs as well as the resource needs of the landscape. Now that Congress has dealt with the "fiscal cliff," we are urging House and Senate Leaders to make the passage of a long-term Farm Bill a top priority."

The fiscal cliff bill does not address deficit reduction.

OSU Extension Offers Farm Financial Analysis

Sam Custer, OSU Extension—Darke County

In today's capital intensive agriculture, every farm business needs a balance sheet that is updated annually at the very least. A balance sheet is often required by a lender to show net worth and liquidity leverage. However, as farm businesses analyze their balance sheets over time, the debt structure and net worth changes can provide insight into business strengths and/or weaknesses. FINPACK (Farm Financial Planning and Analysis) has set the standard for agricultural balance sheets.

The future is often dictated by the past. Before making decisions that will affect the future of a farm business, the past year's profitability should be calculated and compared

to industry benchmarks. With FINPACK, the profitability analysis is called FINAN and it provides a complete accrual analysis, including income statements, cash reconciliation, the "Sweet 16+" ratio analysis, and production analysis. Financial threats and opportunity can be identified with FINAN.

How do you know if a major change in the business is financially feasible? FINLRB will help farm businesses answer the "what if we do this" question and will help you evaluate the financial implications before the money is actually committed. Strategically positioning a farm business is critical in today's rapidly changing agriculture. FINLRB helps you evaluate the changes you need

to consider to remain successful. OSU Extension can bring FINPACK to your farm. Get started for the first time or use FINPACK again. OSU Extension and FINPACK have been assisting farm businesses for decades. Contact Darke County Extension at 937.548.5215 or custer.2@osu.edu. You can also visit <http://farmprofitability.osu.edu/> to find out more information.

FINPACK is a nationally known agricultural software package designed to aid in farm planning and credit analysis, as well as evaluate the financial position of a farm while exploring business alternatives and improving business decisions. OSU Extension Educators can bring FINPACK to your farm.

Name _____ Day Phone (REQUIRED) _____

Address _____ City _____ State _____ Zip _____

# of Packs	# of trees per species pack	\$/Pk	Total
15	Wildlife Packet	\$18	
20	Homeowners Packet	\$20	
20	Evergreen Packet	\$18	
15	Hardwood Packet	\$18	
5	Austrian Pine	\$5	
5	Scotch Pine	\$5	
5	White Pine	\$5	
5	Norway Spruce	\$5	
5	Colorado Blue Spruce	\$5	
5	American Arborvitae	\$5	
5	White Flowering Dogwood	\$7	
5	Common Lilac	\$7	
5	Red Maple	\$7	
5	Eastern Redbud	\$7	
5	Serviceberry	\$7	
5	Tulip Poplar	\$7	
5	Chinkapin Oak	\$7	
5	Pin Oak	\$7	
5	American Plum	\$7	
5	Sugar Maple	\$7	
5	Norway Spruce 24" - 36"	\$10	
5	Butterfly Bush	\$7	
5	Paw Paw	\$7	
5	Persimmon	\$7	
1	Plat Book	\$20	
1	Marking Flags	\$0.06	
10	Starter Fertilizer Tablets	\$3	
1	Rain Barrel	\$30	
1	Tree Protection Tubes - 1 Foot	\$0.75	
1	Bluebird House	\$15	
All prices include sales tax			TOTAL \$ ENCLOSED



GUIDELINES

- Anyone may order these 1-3 yr old bare-root seedlings
- Immediate care is advised
- Substitutions will be made in the event of shortage
- Customer may select substitute or request a refund
- Payment with order by cash, check or money order

PICK-UP Location
Tues. 4/2
 Darke County S.W.C.D. Office
 Thru Thurs. 4/4-8A-4:30P
Greenville, Ohio

Extra trees sold, first come first serve

Check or Money Order made to:
 Darke SWCD
 Mail to: 1117 South Towne Court
 Greenville, OH 45331

Phone 937/548-1752
 937/548-1715, ext. 3
 E-mail inquiries:
 doug.steinbrunner@oh.nacdnet.net

The Darke County Chapter of Pheasants Forever will give out 1 tree seedling to plant for wild-life with every order. If you would like to get involved with the Chapter, contact President Todd Barga (419)336-5481

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5	American Arborvitae	\$5	
5	White Flowering Dogwood	\$7	
5	Common Lilac	\$7	
5	Red Maple	\$7	
5	Eastern Redbud	\$7	
5	Serviceberry	\$7	
5	Tulip Poplar	\$7	
5	Chinkapin Oak	\$7	
5	Pin Oak	\$7	
5	American Plum	\$7	
5	Sugar Maple	\$7	
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1	Marking Flags	\$0.06	
10	Starter Fertilizer Tablets	\$3	
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All prices include sales tax			TOTAL \$ ENCLOSED



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SPECIES

SPECIES	Mature Height		GROWTH			LIGHT			SOIL NEEDS		COMMENTS
	Mature Spread	Mature Height	Slow	Moderate	Rapid	Shade	Partial	Full	Moist	Well-Drained	
Austrian Pine	40	60		x			x	x	x	x	Bold textured full foliage evergreen, adaptable to urban conditions.
Scotch Pine	30	50	x	x			x	x	x	x	Ornamental evergreen in urban settings, erosion control, and Christmas trees
White Pine	40	80			x		x				Also used for windbreaks. Susceptible to winter salt spray.
Norway Spruce	40	80		x	x		x	x	x	x	Popular choice for windbreaks. Adaptable to harsh conditions. Prefers acidic soils.
Colorado Blue Spruce	25	50	x	x			x	x	x	x	Lovely blue-silver. Popular in residential areas. Drought resistant once established. Acidic soils.
Common Lilac	10	20		x			x	x	x	x	Aromatic Spring bloom. A classic choice for around the home.
White Flowering Dogwood	20	15	x			x	x	x	x	x	Showy early spring flowers, red fruits and crimson foliage in autumn.
Arborvitae	10	30		x			x	x	x	x	Consumed by deer & other mammals in winter. Great wildlife shelter. Alkaline soils.
Red Maple	40	70	x	x	x		x	x	x	x	Popular shade tree with glorious fall colors. Found along bottomlands. Acidic soils.
Eastern Redbud	10	30	x	x			x	x	x	x	Heralds arrival of Spring with showy pink flowers. Prefers alkaline soils.
Serviceberry	15	20	x	x			x	x	x	x	Thicket. Adapts to dry soils. Fruit relished by birds and mammals.
Tulip Poplar	40	80		x	x		x	x	x	x	Fast growth & straight trunks ideal for residential back yards. Showy flowers at maturity.
Chinkapin Oak	80	60	x	x			x	x	x	x	Native, member of the white Oak family. Does well in high PH soils.
Pin Oak	40	70	x	x			x	x	x	x	Favorite Oak for shade. Attractive symmetrical tree friendly to wildlife. Acidic soils
American Plum	25	20	x	x			x	x	x	x	This spreading shrub has white pungent flowers in early spring. It's fruits are sweet.
Sugar Maple	40	80	x				x	x	x	x	Favored shade tree. Valued for hard, dense, fine-grained wood & sap.
Butterfly Bush	5	8			x						Older variety, Open structured bush that blooms June thru September
Paw Paw	15	25	x				x	x	x	x	Identified by large tropical looking foliage. Needs part shade for establishment.
Persimmon	30	50	x				x	x	x	x	Provides food for animals and humans alike in mid to late autumn
Rain Barrel											Includes a 55 gallon barrel and rain barrel kit with downspout attachments



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	Mature Spread	Mature Height	Slow	Moderate	Rapid	Shade	Partial	Full	Moist	Well-Drained	
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Scotch Pine	30	50	x	x			x	x	x	x	Ornamental evergreen in urban settings, erosion control, and Christmas trees
White Pine	40	80			x		x				Also used for windbreaks. Susceptible to winter salt spray.
Norway Spruce	40	80		x	x		x	x	x	x	Popular choice for windbreaks. Adaptable to harsh conditions. Prefers acidic soils.
Colorado Blue Spruce	25	50	x	x			x	x	x	x	Lovely blue-silver. Popular in residential areas. Drought resistant once established. Acidic soils.
Common Lilac	10	20		x			x	x	x	x	Aromatic Spring bloom. A classic choice for around the home.
White Flowering Dogwood	20	15	x			x	x	x	x	x	Showy early spring flowers, red fruits and crimson foliage in autumn.
Arborvitae	10	30		x			x	x	x	x	Consumed by deer & other mammals in winter. Great wildlife shelter. Alkaline soils.
Red Maple	40	70	x	x	x		x	x	x	x	Popular shade tree with glorious fall colors. Found along bottomlands. Acidic soils.
Eastern Redbud	10	30	x	x			x	x	x	x	Heralds arrival of Spring with showy pink flowers. Prefers alkaline soils.
Serviceberry	15	20	x	x			x	x	x	x	Thicket. Adapts to dry soils. Fruit relished by birds and mammals.
Tulip Poplar	40	80		x	x		x	x	x	x	Fast growth & straight trunks ideal for residential back yards. Showy flowers at maturity.
Chinkapin Oak	80	60	x	x			x	x	x	x	Native, member of the white Oak family. Does well in high PH soils.
Pin Oak	40	70	x	x			x	x	x	x	Favorite Oak for shade. Attractive symmetrical tree friendly to wildlife. Acidic soils
American Plum	25	20	x	x			x	x	x	x	This spreading shrub has white pungent flowers in early spring. It's fruits are sweet.
Sugar Maple	40	80	x				x	x	x	x	Favored shade tree. Valued for hard, dense, fine-grained wood & sap.
Butterfly Bush	5	8			x						Older variety, Open structured bush that blooms June thru September
Paw Paw	15	25	x				x	x	x	x	Identified by large tropical looking foliage. Needs part shade for establishment.
Persimmon	30	50	x				x	x	x	x	Provides food for animals and humans alike in mid to late autumn
Rain Barrel											Includes a 55 gallon barrel and rain barrel kit with downspout attachments

