

# CONSERVATION NEWS

Newsletter of  
the Defiance  
Soil & Water  
Conservation  
District

In Cooperation with the Defiance County Commissioners

Winter 2013

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## Farm Fair 2013

The Defiance Soil and Water Conservation District (SWCD) and the Tinora Young Farmers co-hosted their 27<sup>th</sup> annual Farm Fair at the Northtowne Mall on Friday through Sunday, January 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup>.

A great line-up of entertainment was provided by Dr. Kenneth P. Ladd, Magician and Illusionist Extraordinaire; country musician, Tim Concannon (Timmy C.); and by the "Good News Travelers," a gospel country group. The pedal pull was also held Saturday afternoon, with an outstanding turnout of both youth and adults vying for the "full pull."

With 19 exhibitors, there was plenty to see and learn, including numerous new and antique tractors. We would like to thank all the sponsors, exhibitors, and those who attended this year's event. We look forward to seeing everyone at next year's Farm Fair.



Youth pedal pull participant attempting a "full pull."

## Supervisors Sworn In

Incumbent Tom Beck and newly elected supervisor Roger Zeedyk IV were sworn into office by Defiance County Commissioner, Otto Nicely, on January 15, 2013. Elected to a three-year term, Tom and Roger join Board Members Dan Vetter, Keith Schroeder, and Bill Moats in directing the Defiance SWCD's numerous natural resource conservation programs. Congratulations to Tom and Roger and thank you to the entire Board of Supervisors for your continued service to Defiance County residents.



Roger Zeedyk IV (left) and Tom Beck (right) were sworn into office by Defiance County Commissioner, Otto Nicely.

## 2013 Ag Appreciation Breakfast

The OSU Extension Office and the Defiance SWCD are hosting their 4<sup>th</sup> annual Agriculture Appreciation Breakfast on Tuesday, March 19<sup>th</sup> from 8:00 a.m. to 10:00 a.m. at the Defiance K of C Hall on Elliott Road. The public is invited to attend with a farmers share breakfast being offered for just \$2.00 per person. A presentation will be given by a guest speaker and new members will be inducted into the Ag Hall of Fame. In addition, 4R Nutrient Management information will be available. Please call the OSU Extension office at (419) 782-4771 to RSVP for the event.

## Powell Creek Water Quality Program

Are you a landowner within the Powell Creek Watershed? If so, you may be eligible for up to 95% cost share on the implementation of conservation and agronomic practices. The Defiance SWCD, in cooperation with Putnam County, has received funding to target practices within the watershed to make water quality improvements.

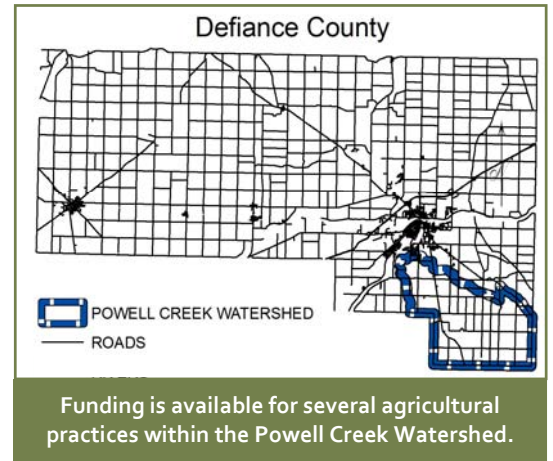
Powell Creek has been identified as an impaired stream as a result of high suspended solids (muddy water), elevated nutrient concentrations, and high levels of fecal contamination.

Many factors contribute to the water quality problems within Powell Creek including faulty home septic systems, inadvertent transport of agricultural and residential fertilizers into surface waters, and soil erosion from agricultural fields and construction sites—just to name a few. Eligible best management practices include:

**Establishment of Winter Cover Crops**  
**Wetland Restoration/Creation**  
**Grassed Waterways**  
**Water and Sediment Control Basins**

**Controlled Drainage System Installation**  
**Commercial Nutrient Management Plans**  
**Saturated Riparian Buffers**

All eligible practices will receive 95% cost share for installation/implementation. Land where conservation practices are to be sited may NOT be required to be currently farmed nor may they be required to have cropping history (some large residential lots may qualify). This is a great opportunity to get assistance with practices that may not have been eligible in other conservation programs! Please contact the Defiance SWCD office at (419) 782-8751.



## 2013 Affiliate Members

The quote, *“In the end, we will conserve only what we love. We will love only what we understand. We will understand only what we have been taught.”* [Baba Dioum] demonstrates the need for conservation education. Our 2013 Affiliate Members share a similar philosophy, and through their financial support, have contributed immensely to our education program within Defiance County. The District would like to extend our sincere appreciation of the following businesses’ financial support:

**Andre Land Forming**  
**Archbold Equipment Company**  
**Coldwell Banker Sigg Realty, Inc.**  
**Darren L. Bok Auctioneering**  
**Ed Perry Excavating, LLC**  
**Farm Credit Mid-America**  
**Farmer Fabrication**  
**Farmers & Merchants State Bank**  
**Hicksville Grain Company**  
**Jewell Grain Company**  
**Liechty Farm Equipment**  
**Mark Moats Ford, Inc.**

**McCalla Excavating**  
**Midwest Community Federal Credit Union**  
**Nester Ag, LLC**  
**Ney Oil Company**  
**Ridgeville Elevator**  
**Right of Way Management Company**  
**Sam Switzer Realty**  
**Shininger Surface Drainage**  
**Sines Excavating, LLC**  
**Slattery Oil Company, Inc.**  
**Spartan Insurance Agency - Chad & Rick Hall**  
**Spatial Ag Systems, LLC**

**The Hubbard Company**  
**The State Bank & Trust Company**  
**Thomas J. Henry Surveying**  
**Webb Construction, LLC**  
**Werlor, Inc.**  
**Zimmerman Farm Drainage, LLC**



### SWCD Office Hours

Mon.-Fri. 7:30 a.m. – 4:00 p.m.

The SWCD Board of Supervisors typically holds its regular monthly meeting on the 3<sup>rd</sup> Tuesday of each month which is open to the public. Changes to this date will be posted in the local newspaper. Please call the office for starting time.

The Defiance SWCD and the U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual’s income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases apply to all programs and/or employment activities.)

## WLEB Nutrient Reduction Program

Last summer marked the inaugural rollout of the Western Lake Erie Basin (WLEB) Nutrient Reduction Program. This program proved to be a success with the enrollment of 54 controlled drainage systems and over 1,125 acres of cover crops and/or variable rate nutrient applications within Defiance County. Funded by the Ohio Department of Natural Resources, Division of Soil and Water Resources, \$165,000 has been allocated to these practices in Defiance County.

Additional funding has been made available for the installation of controlled drainage and agronomic practices for 2013, with enrollment open through June 1, 2013. Practices are eligible for all of Defiance County with the exception of the Powell Creek watershed (see Powell Creek Program for funding of similar best management practices). Contact Tyler Miller at (419) 782-8751 for more details.



	Requirements	Cost Share
<b>Best Management Practice – 1</b> <i>Variable Rate Application with Cover Crops</i>	Grid size from two to six acres 2013 soil test map and variable rate application maps to SWCD Cover crops (oats, oil seed radish, cereal rye, etc.) Producer provides bill and one seed tag to SWCD Apply fertilizer to Tri-State fertilizer recommendations Producer provides bill, maps, and application records to SWCD	<b>\$56.00/Ac</b>
<b>Best Management Practice – 2</b> <i>Variable Rate Application with Incorporation</i>	Grid size from two to six acres 2013 soil test map, and variable rate application maps to SWCD Producer provides bills and maps to SWCD Apply fertilizer to Tri-State fertilizer recommendations Producer provides bill, maps, and application records to SWCD Incorporation of fertilizer must occur within 48 hours of application. <i>*The field shall maintain a minimum of 30 percent residue cover after incorporation.</i>	<b>\$35.00/Ac</b>
<b>Best Management Practice – 3</b> <i>First Priority</i>	Outlet pipe needs to be 6-inch minimum Field size minimum 15 acres Will cover costs for structure, anti-seep collars, and 40 feet of solid pipe. Producer provides itemized bill to SWCD Producer provides control structure opening and closing dates to SWCD <i>*Higher costs need to be approved before installation.</i>	<b>Up to \$1900.00 Per site</b>
<b>Best Management Practice – 3</b> <i>Second Priority</i>	Minimum field size of 25 acres with sub-main installation per control structure Will cover costs for structure, anti-seep collars, 40 feet of solid pipe, sub-main material and installation, and lateral hookups Producer provides itemized bill to SWCD Producer provides control structure opening and closing dates to SWCD <i>*Higher costs need to be approved before installation</i>	<b>Up to \$4000.00 Per site</b>
<b>**Enrolled acres cannot be receiving cost-share for any other Variable Rate Nutrient Management, Conservation Tillage, or Cover Crops (EQIP, CSP, etc)</b>		

## Congratulations

The “Conservation News” Fall Edition prize giveaway was awarded to Ron and Barbara Krugh of rural Defiance. The Krugh’s received a \$20.00 voucher for the purchase of trees through the District’s Spring seedling sale.

Winning couldn’t be much easier. Simply take a few minutes to complete the puzzle and return it to our office. Puzzles submitted by the deadline are entered into a random drawing where one winning puzzle is drawn. You could be our next winner!



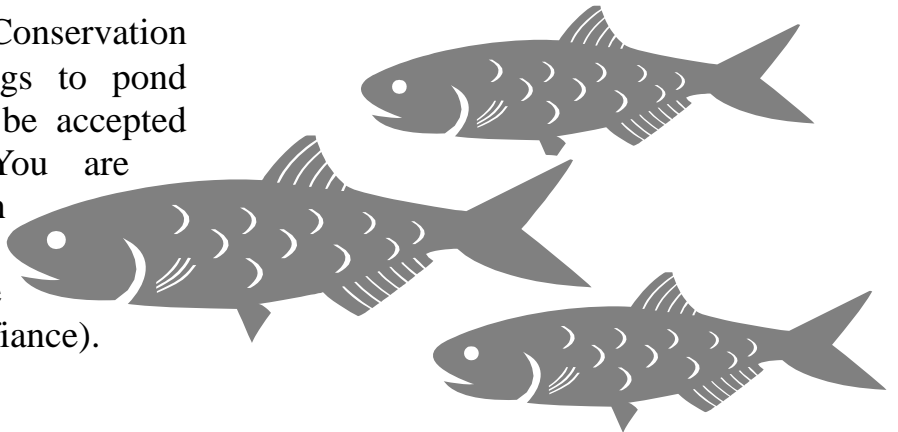
The Krugh’s won \$20 towards tree seedlings by simply mailing in their completed puzzle.



# 2013 Fish Fingerlings Sale

The Defiance Soil and Water Conservation District is offering fish fingerlings to pond owners in the area. Orders will be accepted through Friday, May 10<sup>th</sup>. You are responsible for picking up your fish on Tuesday, May 14<sup>th</sup> at 2:30 p.m. at the Defiance SWCD office (06879 Evansport Road, Defiance).

**Payment must accompany order.**




<u>SPECIES</u>	<u>SIZE</u>	<u>PRICE PER FISH</u>	<u>QUANTITY</u>	=	<u>TOTAL</u>
Bluegill	2"-4"	75¢			
Redear Shellcracker	2"-4"	80¢			
Largemouth Bass	2"-3"	85¢			
Channel Catfish	4"-5"	80¢			
Yellow Perch	2"-4"	75¢			
Fathead Minnows	1"-2"	5¢			
White Amur	8"-12"	\$13.00			
			<b>Total</b>	=	

Name \_\_\_\_\_ Telephone \_\_\_\_\_

Address \_\_\_\_\_

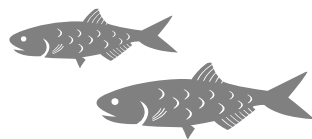
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_



**Make checks payable to: Defiance SWCD**  
 Mail to: Defiance SWCD, 06879 Evansport Road - Suite C - Defiance, OH 43512

Retain this portion as a reminder that fish pick-up is **Tuesday May 14, 2013 at 2:30 p.m.**

Please bring containers with your pond water the day of pickup.



5 gallons per White Amur  
 5 gallons per 25 fingerlings

Oxygen will be added to the bag for those traveling long distances.

<u>Stocking Rate for 1 Acre Pond</u>	
<u>Species</u>	<u>#/Acre</u>
Largemouth Bass	100
Bluegill/Redear Shellcracker	500
Channel Catfish	100
Yellow Perch	100
Fathead Minnows	1,000
White Amur (depending on quantity and species of pond weeds)	5



# Tree Seedling Sale 2013

(order deadline March 15, 2013)

**Packets**  
**Ordered**

**Packet Description**

**Price**

**Total \$**

_____	25 – American Arborvitae 10”-16”.....	\$20.00	_____
_____	10 – Bald Cypress 12”-18”.....	\$ 8.00	_____
_____	10 – Colorado Blue Spruce 9”-15”.....	\$ 8.00	_____
_____	10 – Eastern White Pine 10”-14”.....	\$ 8.00	_____
_____	10 – Norway Spruce 10”-18”.....	\$ 8.00	_____
_____	10 – Red Cedar 10”-16”.....	\$ 8.00	_____
_____	10 – Black Walnut 12”-18”.....	\$ 8.00	_____
_____	10 – Red Oak 12”-18”.....	\$ 8.00	_____
_____	10 – Shellbark Hickory 12”-18”.....	\$12.00	_____
_____	10 – Sugar Maple 12”-18”.....	\$ 8.00	_____
_____	10 – Swamp White Oak 12”-18”.....	\$ 8.00	_____
_____	10 – American Currant 12”-18”.....	\$10.00	_____
_____	10 – American Hazelnut 12”-18”.....	\$ 8.00	_____
_____	10 – Red Twig Dogwood 12”-18”.....	\$ 8.00	_____
_____	Marking Flags (each).....	\$0.10	_____

**Grand Total**

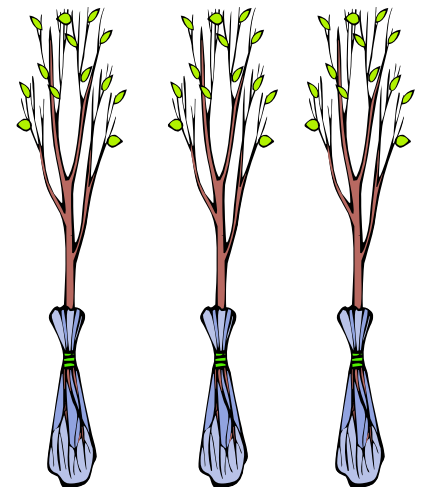
\_\_\_\_\_

**Name:** \_\_\_\_\_

**Street Address:** \_\_\_\_\_

**City, State, Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_



Please make checks payable to: **Defiance SWCD**, 06879 Evansport Road, Suite C, Defiance, OH 43512. *All orders must be paid in full.* You will be notified in April when to pick up your trees.

**For Office Use Only:**

**Order Number** \_\_\_\_\_

**Receipt Number** \_\_\_\_\_



## Seedling Descriptions

### Evergreens

**American Arborvitae** - A pyramidal shaped conifer (40-60 feet tall by 10-15 feet wide) that grows well in a wide range of soil and drainage conditions. Excellent for screens and windbreaks since it is dense and full to the ground. Recommended spacing for windbreak planting is 6 feet.

**Bald Cypress** - A stately, long-lived deciduous conifer (50-70 feet tall by 25+ feet wide) well adapted to very wet to moderately well drained soils such as muck, clay, or fine sands. Initially pyramidal shaped but becomes more columnar and open upon maturation. Recommended spacing for windbreak planting is 10 feet.

**Colorado Blue Spruce** - A dense conical evergreen (80-100 feet tall by 30 feet wide) with stout, prickly 3/4 inch - 1 1/4 inch needles, bluish green to bright silvery blue in color. Adaptable, it prefers rich, moist soil, full sun, but thrives in dry well-drained sites. Recommended spacing for windbreak planting is 10 feet.

**Eastern White Pine** - Pyramidal in youth, this (75-100 feet tall by 50 feet wide) shade tolerant tree forms a graceful plume like crown at maturity. Thrives in moderately well-drained soil types. The soft needles occur in 5's, are 3-5 inches long, and are rich green to bluish green. Recommended spacing for windbreak planting is 10 feet.

**Norway Spruce** - An extremely attractive (60 feet tall by 25 feet wide) pyramidal evergreen with strong weeping branches that extend all the way to the ground. Needles are shiny green 1/2-1 inch long and flat. One of the fastest growing of all spruces. Recommended spacing for windbreak planting is 10 feet.

**Red Cedar** - A small, dense, pyramidal, native conifer (40 feet tall by 20 feet wide) with somewhat prickly, scale-like needles. Tolerates many soil types and conditions and grows where many other woody plants will not. Excellent for windbreaks and erosion control. Recommended spacing for windbreak planting is 6 feet.

### Hardwoods

**Black Walnut** - A moderately fast growing tree (80 feet tall by 70 feet wide) renown for its beautiful dark brown lumber and edible nuts. It has an irregular and open growth pattern, preferring rich, deep, well-drained soils. Note: produces juglone, a chemical that inhibits the growth of many competitor plants under its canopy.

**Red Oak** - A medium sized tree (80 feet tall by 60 feet wide) with a rounded crown. This tree prefers well-drained soils, but adapts easily to dry soils and thrives in full to partial sun. An excellent shade tree noted for its brick-red autumn color and vigorous growth rate.

**Shellbark Hickory** - A massive, slow growing tree (80 feet tall by 40 feet wide) with a narrow, oblong crown. Renown for its production of huge, sweet nuts and strong, dense wood. Prefers deep, moist to occasionally wet soils under sunny conditions. Very tolerant of summer drought.

**Sugar Maple** - Mature trees (80 feet tall by 50 feet wide) with short trunk, dividing into several sub-trunks. Long slender branches sweep downward and then curve gracefully upward. Fall color is often spectacular, ranging from bright yellow through orange to fluorescent red-orange. The Sugar Maple prefers rich, deep, moderately well drained soils, but can grow in heavier soils, although at a much slower rate.

**Swamp White Oak** - A medium sized tree (70 feet tall by 50 feet wide) with dark green leaves and a whitish gray bark. Well adapted for growth in very wet, swampy conditions, but is also very drought tolerant. The acorns that fall from the tree are eaten by squirrels, chipmunks and deer. The Swamp White Oak is valued for its timber used for furniture, flooring and cabinet making.

### Shrubs

**American Currant** - A native, low growing shrub (3-6 feet tall) that produces attractive white flowers and black berries that are edible by humans and wildlife. Adaptable to a wide variety of soils and moisture levels and is shade and drought tolerant. Leaves transition to crimson/gold color in fall.

**American Hazelnut** - A large, dense shrub (15 feet tall by 15 feet wide) that develops a broad, rounded shape upon maturity. Produces tasty nuts that provide food for both humans and wildlife. Very adaptable to variable soil qualities and tolerates moist to dry soils. Will tolerate partial shade, but best nut production occurs in full sun.

**Red Twig Dogwood** - A woody shrub (4-20 feet tall) with red to purple colored bark and twigs in fall and winter. Bush produces white flowers from June to August that develop into white berries. Prefers full sun with an evenly moist soil. The berries are desired by wildlife.

## Nutrient Reduction Program Word Puzzle

The word search below contains words from the WLEB Nutrient Reduction article on page three. Complete the word puzzle and mail it back to the SWCD office by March 8, 2013. An entry will be randomly drawn and will be awarded a gardening kit containing hand tools and a diverse selection of vegetable seeds. The winner will be called and can pick up their prize at the SWCD office. Thanks for reading and good luck!

M	W	N	F	T	A	M	S	T	A	O	C	H	J	P	F	S
E	C	A	F	R	U	S	B	U	S	O	V	S	I	H	D	O
Q	K	T	V	H	Z	G	M	N	N	L	P	I	N	O	R	I
E	S	U	N	Q	S	A	E	S	G	A	O	D	C	S	A	L
E	Y	T	K	E	P	A	E	U	R	T	R	A	O	P	I	T
Y	L	R	R	S	M	R	T	H	I	E	C	R	R	H	N	E
E	E	I	L	U	V	L	F	O	D	R	R	R	P	O	A	S
N	O	I	T	A	C	I	L	P	P	A	E	E	O	R	G	T
O	Q	Q	T	X	E	T	S	O	D	L	V	Z	R	U	E	S
Z	L	I	B	U	O	R	U	T	R	M	O	I	A	S	E	R
I	O	E	U	D	I	S	E	R	N	N	C	L	T	C	E	E
N	E	G	O	R	T	I	N	C	E	E	E	I	I	I	U	C
S	A	M	P	L	I	N	G	S	R	N	I	T	O	X	K	U
M	A	N	A	G	E	M	E	N	T	O	C	R	N	Y	P	D
E	L	B	A	I	R	A	V	O	V	A	P	E	T	X	N	O
R	E	D	U	C	T	I	O	N	R	T	Z	F	Q	U	B	R
F	U	N	D	I	N	G	L	P	W	A	T	E	R	F	N	P

APPLICATION  
COVER CROP  
ENROLLMENT  
GRID  
MANAGEMENT  
NUTRIENT  
POTASH  
RADISH



SAMPLING  
SUBSURFACE  
WATER  
CEREAL RYE  
CROP  
FERTILIZER  
INCORPORATION  
MAPS



OATS  
PRACTICES  
REDUCTION  
SOIL TEST  
TILE  
ZONE  
CONSERVATION  
DRAINAGE



FUNDING  
LATERAL  
NITROGEN  
PHOSPHORUS  
PRODUCER  
RESIDUE  
STRUCTURE  
VARIABLE

Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_

# CONSERVATION NEWS

## Defiance Soil and Water Conservation District

06879 Evansport Road, Suite C, Defiance , Ohio 43512  
Phone 419-782-8751 Fax 419-782-1791  
swcd@defiance-county.com  
www.defiance-county.com/swcd

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DEFIANCE, OHIO

### Board of Supervisors

Tom Beck  
Dan Vetter  
Bill Moats  
Keith Schroeder  
Roger Zeedyk IV

### District Personnel

Jason Roehrig  
Terri Agler  
Ben Gerken  
Tyler Miller  
Jennifer English  
Bill Grimes

### Ditch Maintenance Personnel

Kevin Hancock  
Ed Walters  
Dave Sines

### NRCS Personnel

Steve Snyder  
Lori Shank  
Mike Boff

## *Kids' Outdoor Science Camp 2013*

Registration is now open for the 2013 Kids' Outdoor Science Camp. The camp will run from June 9-12, 2013 at 4-H Camp Palmer, near Fayette, Ohio. This camp is Ohio's largest and oldest residential camp for youth, focusing on our outdoor environment. This year's theme "Weather or Not," will lead explorations of meteorological phenomena through weather scavenger hunts, clouds in a bottle, and wacky science. In addition, camp includes swimming, campfires, wildlife observations, shooting sports, and much more!

Any youth having completed grades 3-8 are eligible to register—registration deadline is May 24<sup>th</sup>. The Defiance SWCD is offering \$20.00 scholarships for Defiance County residents to attend this event. Please contact the SWCD office for more information.



## *Defiance SWCD Photo Contest*

Defiance County students in K-12 are encouraged to participate in our annual photo contest. One photograph can be entered in any or all of the following categories: conservation, education, trees and plants, wildlife, and landscapes. Photos must be taken in Defiance County, be 5"x7" or 8"x10" in size, and be either black and white or color. Prizes will be awarded for first, second, and third places within each category. All entries are due on Friday, April 12, 2013. Please contact the SWCD office or visit our website at [www.defiance-county.com/swcd](http://www.defiance-county.com/swcd) for detailed guidelines. Good luck to all of our aspiring photographers!

