



THE DISTRICT SURVEYOR

HURON SOIL AND WATER CONSERVATION DISTRICT
8 FAIR ROAD
NORWALK, OH 44857
419-668-4113 #3
FAX: 419-663-8405

FALL FUN FEST
2ND SATURDAY IN OCTOBER
OCTOBER 14, 2017

BENEFITS OF COVER CROPS by **Sare book, Managing Cover Crops Profitability 3rd Edition**



Radish Cover Crop

Cover crops can cut fertilizer costs by contributing **N by scavenging** soil nutrients. Legume cover crops like hairy vetch, medium red clover, Austrian winter peas, and fibrous-rooted

cereal grain convert nitrogen gas in the atmosphere into soil nitrogen that plants can use.

Cover crops **suppress weeds** by outcompeting weeds for water and nutrients, blocking light, and providing compounds which naturally provide herbicidal effects.

Pests can be managed with cover crops by enhancing microbial life that discourages disease, encouraging beneficial insect predators, and producing compounds which reduce nematode pest populations.

Crop **yields are enhanced** by improved

soil health and structure. Infiltration of surface water is sped up, compaction is reduced, organic matter is added, and nutrient cycling is promoted.

Above ground cover crops **prevent soil erosion** by reducing impact of wind and rain.

Soil moisture is conserved by reduced evaporation and increased infiltration.

Water quality is protected by the reduction in non-point source pollution and by up take of excess nitrogen.

For more information, log onto www.sare.org

Inside this issue:

- **Spring Education**
- **Scholarship Opportunity**
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Cereal Rye
inner-seeded into beans

NEW EMPLOYEE NATHAN WATT

Monroeville native Nathan Watt was hired in March as District Technician to replace Mitch Otto, who moved to California. Nathan graduated from Monroeville High School in 2016. He attends Firelands College BGSU studying accounting.



SWCD Staff

Lori Liles, Technician & Planning Commission Administrator

Aaron Robinson, Ditch Maintenance Supervisor

Alisa Schaffer, Administrative Assistant

Chad Stang, Manager

Nathan Watt, Technician



**Maddison Hessemer
1st Place Poster**



**4th Grade Conservation
Day Archery**

Spring Education

Spring was busy for Huron S.W.C.D. Thirteen schools in Huron County participated in the 2nd grade Arbor Day Program and Poster Contest held **April 23rd to 26th**. Each second grader received a Blue Spruce seedling and opportunity to participate in the "Healthy Soils are Full of Life" themed poster contest. Maddison Hessemer of Pleasant Elementary was the 1st place poster winner.

Huron S.W.C.D. planted a Red Maple tree at Pleasant Elementary on May 23rd in her honor. The 2nd Grade Arbor Day Program is funded by a Walmart Community Grant, and it is delivered in collaboration with the Huron County Master Gardeners.

On **May 3rd**, Huron S.W.C.D. employees assisted Medina and Summit S.W.C.D. in hosting the Area II Environthon. West-

ern Reserve High School and Norwalk High School participated placing 10th and 30th respectively out of 47 teams.

4th Grade Conservation Day was held on **May 16th** at the Huron County Fairgrounds. 325 4th grade students rotated every 25 minutes to stations of Soils, Forestry, Wildlife, Soybeans, Recycling, Ag Jeopardy, Lake Erie, Water, Bees, and Archery.

Huron S.W.C.D. Memorial Scholarship

The Huron S.W.C.D. offers a \$1,000.00 scholarship for a fulltime student entering his/her junior or senior year at an accredited four year college. If enrolled in an Associate Degree Program, the applicant must be a second year student. Applicants must be pursuing an Agricultural or Natural Resource course of study. The applicant and parents/guardians must be

residents of Huron County. The deadline for the scholarship application is September 8, 2017. The scholarship recipient will be notified no later than the week of October 30, 2017.

A minimum of 2.5 average on a 4.0 scale is required for consideration, as well as, be willing to provide an official transcript, if requested by the scholarship

committee. A current college financing plan must be attached to the application. For more information log onto www.huronswcd.com under the Education tab. The scholarship will be presented at the Annual Meeting and Banquet held at the Huron County Fairgrounds EXPO Building the evening of December 7th.



POND MANAGEMENT, The Common Sense Guide Revised Edition of Farm Pond

Management by Steve Fender

It is no secret that Fenders Fish Hatchery have been providing fish for both our spring and fall fish sales. Steve's book is 154 pages of information detailing the calendar of pond life, construction, stocking, species, algae, aeration, predators, and problem makers. The following comes from page 56 of Steve's book detailing fish kill.

"Over time, organic matter will build up on the bottom of your pond. Eventually this waste begins to breakdown into nitrates and phosphates and even some gases similar to methane. If there is no aeration present, these gasses and other impurities will build up and cause high fertility levels. All this leads to yucky, stinky water that leads to more vegetation and eventually the hard to kill or control vegetation such as duck weed, water meal, and a large variety of plankton blooms. All this is leading to the grand finale of a massive fish kill caused by plant decay in the summertime. The plant decay will cause a fish kill, because as the vegetation dies the process uses the oxygen up in your pond very quickly."

Properly placed fountains, aerators, and windmills are good sources of aeration and replacing the oxygen depletion year round.

FALL FISH SALE: DEADLINE IS SEPTEMBER 12, 2017

PICKUP AT 1:00 P.M. BEHIND OFFICE ON SEPTEMBER 19, 2017

	HABITAT	FOOD	INITIAL STOCKING	ADULT SIZE	PRICE	HOW MANY	EXTENDED TOTAL
BLUEGILL	Common throughout Ohio; Prefer clear ponds and lakes with rooted vegetation	Insects, insect larvae, small fish, fish eggs, and plant materi-	500 per acre	Normally 6 " to 10"	\$.85		\$
HYBRID BLUEGILL		Insects and small fish	100 per acre, because they have a 1% reproduction rate; stock with bluegill	Length of parent bluegill and aggressiveness and thickness of the green sunfish; up to 11"	\$.85		\$
LARGE-MOUTH BASS	Found in ponds, lakes, and slow, sluggish streams in every Ohio county	Adults eat crayfish, frogs, large insects, and fishes	100 per acre	Normally 12" to 15"	\$.85		\$
CHANNEL CATFISH	Common in most large streams and lakes throughout Ohio; found in greatest number in deep water, clean gravel and boulder substrates	Insect larvae, crayfish, mollusks, and small fish	100 per acre	Most range from 12' to 14"	\$.85		\$
YELLOW PERCH	Found in Lake Erie, ponds, slow moving rivers throughout Ohio; Prefer clear water with moderate vegetation and much sand or gravel on the bottom	Adult aquatic insects, insect larvae, and small fishes	100 per acre	Normally 5" to 12"	\$.85		\$
WHITE AMUR	Rapidly moving waters or where adequate food supply exists	Leafy, aquatic plants such as pondweed, coontail, floating duckweed, and cattails	<u>If Vegetation is:</u> 20-40%: 4-6 per acre 40-60%: 8-12 per acre >60 %: 15-20 per acre	3' to 5' long and up to 100 pounds	\$13.00		\$
JAPANESE KOI	Originated in 18th century Japan; Poplar in USA for 80 years	Duckweed and watermill	10 to 12 per acre	At least 8" to 9"	\$11.00		\$
REDEAR SUNFISH (shellcracker)	Not native to Ohio; found primarily in clear, warm waters with vegetation	Snails and other mollusks, crayfish, insects, insect larvae, and small fish	250 per acre + 250 bluegill per acre	Normally 9" to 11"	\$.85		\$
FATHEAD MINNOWS			1,000 per acre		\$.06		\$

PLEASE MAKE SURE TO MAIL IN BOTH SIDES FOR NAME, ADDRESS, AND FISH ORDER!!

\$

"An Equal Opportunity Provider and Employer"

PRESORTED STANDARD
Non-Profit Organization
U.S. Postage
PAID
Norwalk, OH
Permit N. 152

8 Fair Road
Norwalk, OH 44857

Phone: 419-668-4113 #3
Fax: 419-663-8405
Email: alisa.schaffer@oh.nacdnet.net



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FACEBOOK**

SEND PREPAID ORDERS TO:
(DO NOT CUT FORM)

HURON SWCD
8 FAIR ROAD
NORWALK, OH 44857
419-668-4113 #3
FAX: 419-663-8405

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