

Sponsored by: USGS, Hancock County SWCD, USDA/ NRCS, ISDA-Div. of Soil, YSI, and Purdue Extension

Meal provided by
YSI Environmental

REGISTRATION FORM

Name(s): _____

Address: _____

Phone: _____

Email: _____

County: _____

Agency: _____

CCA CEUs applied for

Mail to: Hancock County SWCD
1101 W Main St. Ste. N,
Greenfield, IN 46140
or Fax to 317-462-0769

For Information call: 317-462-2283 Ext. 3
The Hancock County SWCD and its partnering organizations are equal opportunity program providers and employers.

NON-PROFIT ORG.
U.S. POSTAGE
PAID
GREENFIELD, IN 46140
PERMIT NO. 24

Hancock County SWCD
1101 W Main St. Ste. N
Greenfield, IN 46140



Leary Weber Ditch Water Quality Study

Providing information to landowners and agency personnel on the results of a USGS agricultural chemical transport and fate study

Thursday
July 28, 2005

8:00 AM to 12:30 PM

Begin Tour at the Mohawk
United Methodist Church
2045 W 400 N,
Mohawk, Indiana



Join us in a tour of the Leary Weber Ditch Watershed and learn what the U.S. Geological Survey (USGS) is discovering about agricultural chemical movement into streams and ground water.

Since 2002, the USGS has been studying how water and chemicals move in Leary Weber Ditch, a tributary of Sugar Creek. The USGS has tracked the movement of water and chemicals in rain; over field surfaces; and through soils, tiles, ground water, and the streams. Additionally, the USGS National Water-Quality Assessment (NAWQA) Program has been collecting stream water quality and ecology information from Sugar Creek during the last 15 years.

NAWQA selected the Leary Weber Ditch and Sugar Creek Watersheds to be part of a national agricultural chemical transport and fate study. The agricultural practices in these watersheds are representative of corn and soybean row cropping typical in the Midwest. The study includes four other watersheds across the country.

One objective of the study is to document how fertilizer and pesticides, including atrazine and glyphosate, are transported into streams and ground water. We will share with you information about which pathway—tile drains or overland flow— transports the most chemicals into streams and ground water; how much of these chemicals are present in rain; how long fertilizers in waters can be tracked during the growing season; and how much sediment is transported from one field during a storm.

A better understanding of agricultural chemical transport and fate after application will help farmers, land managers, and water resource managers more efficiently control agricultural chemicals and reduce their transport to ground water, ditches, and streams.

Leary Weber Ditch Tour Agenda

- 8:00 AM Registration/Sign-In**
- 8:15 AM Welcome/Opening Remarks**
Cindy Beckner, SWCD
James Stewart, USGS
- 8:30 AM Load Vehicles**
- 8:45 AM North Site**
Nancy Baker, USGS
- 9:15 AM Overland Flow**
Wes Stone, USGS
- 9:45 AM Tile Drain**
Wes Stone, USGS
- 10:15 AM Leary Weber Ditch**
Nancy Baker, USGS
- 10:45 AM Surface Water/Ground Water Interaction**
John Wilson, USGS
- Speakers/Presentations**
- 11:15 AM Summary of Tour**
Jeff Frey, USGS
- 11:30 AM Sub-Irrigation**
Barry Allred, ARS, Ohio State University
- 11:45 AM Nutrient Management**
Tony Bailey, NRCS
- 12:00 PM Extension Resource**
John Mesko, Purdue Extension
- 12:15 PM Discussion/Questions**
- 12:30 Meal provided by YSI Environmental**

The Leary Weber Ditch Water Quality Tour will be held on the Kenny and Jeff Phares's farm and the Dave Uuk farm near the town of Mohawk. The USGS monitoring team has been working with the Phares and Uuk families since the project began in 2002. The Hancock County SWCD and Partnering Organizations would like to thank Kenny, Jeff, and Dave for their dedication and preservation of our natural resources.



For more information go to http://in.water.usgs.gov/NAWQAWHMI/act_map.php

