

# PLANTING IDEAS

June 2013  
Volume 30, Issue 3

*A County Publication of the  
Boone County Soil & Water Conservation District*



## 2013 SUMMER PASTURE WALK



On Tuesday, June 18<sup>th</sup> at 6:00 p.m., we will be having a pasture walk hosted by the Boone County Soil and Water Conservation District and the Boone County Cattlemen. The pasture walk will be held at Bob (Doc) and Karen Kinkead's farm south of Harrisburg on Hwy J, beginning with a barbeque dinner followed by the tour.

Doc's management perspective is that he is in the grass and energy business, his cattle are just his harvesting machines. His main objective is to produce grass and energy and be profitable.

Doc has been in a managed intensive grazing system for many years and has made many improvements over his old continuous grazing. Three years ago, he intensified his grazing system by going to much smaller paddocks and more frequent moves or what some people would call "mob grazing". He varies his stock density between 100,000 and 150,000 pounds and moves cattle every twelve to forty-eight hours. After three years, the plant diversity has increased dramatically. Carrying capacity has increased substantially with better utilization and longer recovery periods.

Last year's drought has hurt diversity to a certain extent but growth response has been great, and Doc thinks the diversity will continue to improve over time even with last year's set back. While Doc uses cattle, you can apply these same management principles to pastures whether using cattle, sheep, horses, or goats.

This pasture walk will be a great opportunity to view a very nice grazing system and get ideas about how to start a grazing system or improve the one you already have on your own pastures.

Please call 573-875-5540 ext. 3 to **RSVP by June 17<sup>th</sup>** so we can plan on having plenty of food for everyone. We're looking forward to seeing you. ***Don't forget to bring your lawn chair!***

(Directions: Go west from Columbia on I-70 and take the Huntsdale/Harrisburg exit. Go north on Hwy J about 11 miles to 13931 N Rt. J or south of Hwy 124 in Harrisburg on Rt. J 1.6 miles. Watch for signs.)



*The Pasture Walk is sponsored by the Boone County SWCD and the Boone County Cattlemen's Association and is funded in part from a grant made available through the Parks, Soils and Water Sales Tax through the Missouri Department of Natural Resources.*

**Boone County  
Soil and Water  
Conservation District**

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**MISSOURI DEPARTMENT OF  
CONSERVATION**

**Mark McCulloch, Private Land  
Conservationist**

Statement of frequency: Three/year  
Mailed in Columbia, Missouri

Authorized organization's name &  
address:

**Boone County Soil & Water  
Conservation District**  
**Parkade Center, Suite 213E**  
**601 Business Loop 70 West**  
**Columbia, MO 65203**  
**573-875-5540 ext. 3**  
[www.swcd.mo.gov/boone](http://www.swcd.mo.gov/boone)

**Hours:**

**Monday-Friday 8:00 a.m. - 4:30 p.m.**  
**Closed 12:00 p.m. - 12:30 p.m.**

**Funding for information/education  
activities are provided in part by the  
Parks, Soils and Water Sales Tax  
through the Missouri Department of  
Natural Resources.**

## CONSERVATION COMPLIANCE IS STILL AROUND

*Tony Hoover, District Conservationist*

With the passing of the 1985 Farm Bill, Congress put emphasis on Highly Erodible Land (HEL) and Wetland Conservation (WC) Compliance. Many of you remember receiving an HEL and WC determination on your farm or farms. If the land you farmed received an HEL determination and you participated in USDA programs, a conservation plan should have been developed and followed to remain in compliance.

The reason I am writing about this 28 years later in 2013 is number one, the prices of grain commodities and number two, HEL and WC compliance is still part of the Farm Bill. With the high price of commodities, many farmers may be thinking about cropping land that has not had a Highly Erodible Land or Wetland determination made on it in the past.

If you are a participant in any USDA program with the Farm Service Agency (FSA) or Natural Resources Conservation Service (NRCS), then conservation compliance is required. So, if you plan to crop land that has not received an HEL/WC determination and you participate in any USDA program(s), you need to have a determination completed. It is in your best interest to have this determination completed before you crop the land. If the ground is determined to be Highly Erodible and you participate in USDA programs without following a conservation plan, you may be found out of compliance on all participating farms, not just on the new one you are cropping.

If you are thinking about cropping land that has not been farmed in the last 28 years, it is in your best interest to stop by the USDA office and request a Highly Erodible Land and Wetland Conservation Determination. Even if you are not cropping new Highly Erodible Land, you may want to stop by and ensure you are still following your conservation plan to remain in compliance. If you have questions at any time, feel free to stop by our office in Columbia.

### CRP Sign-Up Ends June 14

A four-week general sign-up for the Conservation Reserve Program (CRP) began May 20 and ends on June 14. CRP protects the nation's natural resources through voluntary participation while providing significant economic and environmental benefits to rural communities across the United States. There is also a Continuous CRP sign-up going on at this time through September 30, 2013. For more information, contact Jeana Dillon at the Boone County FSA office by calling 573-875-5540 ext. 2.

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers. If you believe you experienced discrimination when obtaining services from USDA, participating in a USDA program, or participating in a program that receives financial assistance from USDA, you may file a complaint with USDA. Information about how to file a discrimination complaint is available from the Office of the Assistant Secretary for Civil Rights. USDA prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex (including gender identity and expression), marital status, familial status, parental status, religion, sexual orientation, political beliefs, genetic information, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, complete, sign, and mail a program discrimination complaint form, available at any USDA office location or online at [www.ascr.usda.gov](http://www.ascr.usda.gov), or write to: USDA, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410. Or call toll free at (866) 632-9992 (voice) to obtain additional information, the appropriate office or to request documents. Individuals who are deaf, hard of hearing, or have speech disabilities may contact USDA through the Federal Relay service at (800) 877-8339 or (800) 845-6136 (in Spanish). Persons with disabilities who require alternative means for communication of program information (e.g. Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

*USDA is an equal opportunity provider, employer, and lender.*

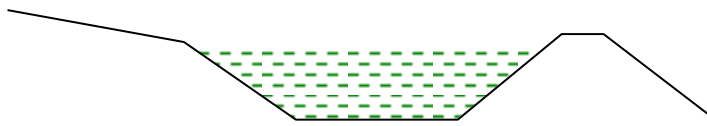
# SPRING IS A GOOD TIME FOR TERRACE MAINTENANCE

*Dudley Kaiser, NRCS Technician*

It seems every year during the spring months very intense storms happen. These storms produce large amounts of runoff that basically beat the soil surface very hard. Soil is broken into particles and is carried off by the runoff. From time to time tile terraces need attention because of this soil movement. If not done, the results will affect the operation and function of the tile system.

Tile terraces probably receive the most damage from these storms. Before crops reach enough height to help break the rainfall, the soil particles are carried down hill until the ground gets flatter. Normally this occurs in the terrace channel. Runoff flows into a pool of water, and the sediment load sinks to the bottom. When this happens several times, the storage capacity is reduced. Tile terraces often fail because of this reason. To add to the situation, runoff flows over the top of the terrace and removes the soil. This lowers

**A tile terrace is designed to have an area to store storm runoff. When the storage is reduced but the same amount of runoff flows in, then overtopping of the berm occurs. Over time the berm erodes to a point where no storage is available.**



the berm height, and thus reduces the storage capacity.

When tile terraces are designed in this region, they are planned to store at least 5.4 inches of rainfall in a 24-hour period. The channel width, front slope of the berm, and the front cut slope affect the storage. The photo shows a storage basin needing cleaned out. The berm can be built higher and the front cut slope can be cleaned. The

space marked with dashed lines shows the area used for water storage. Anything that is cleared within this area will improve functionality and operation of the tile terrace.

Terrace owners should also inspect the risers for damage. Damage from implements and screens that are clogged should be repaired and/or replaced. If risers were not marked, this would be a good time to do so. Risers that are six inches in diameter should have 30 one-inch holes per foot. For eight-inch risers there should be 40 holes per foot. Ten-inch risers are to have 50 one-inch holes per foot. Place the lower six inches of the one-inch holes below ground level for any riser size. This is to help drain subsurface water.

From time to time, maintenance needs to be done. The items above are just a few things to inspect. If you have any questions about terrace maintenance, call or stop by the office.

## WELCOME THE NEW SWCD & CALLAHAN WATERSHED BOARD MEMBERS

Congratulations to Darin Schnarre and Jeff DeShon, who were elected to the SWCD Board on March 12<sup>th</sup>. Darin, representing Area 1 (Bourbon and Centralia Townships), operates Schnarre Farms as a row-crop and cow/calf operation. Darin and his wife, Christy, have three children, Brooke, Zach, and Blair. Jeff represents Area 3 (Rocky Fork and Columbia Townships). Jeff and his wife, Glenda, have two married children and two grandchildren. Their farming operation consists of row crops, hay, and pastured meat goats utilizing Management Intensive Grazing. The board was reorganized with Frank Gordon elected to Chairman; Jim Bullard, Vice Chairman; Kent Shannon, Secretary; Jeff DeShon, Treasurer; and Darin Schnarre, Member.

Also on March 12<sup>th</sup>, John Semon and Park Bay were elected as trustees to the Callahan Creek Watershed. Both John and Park have volunteered their time and energy in maintaining the Callahan Watershed structures in the past years. They will serve as excellent trustees in keeping the watershed affairs in good order. John and Park will join Dan Judy and Les Wegener as trustees, along with John Coutts serving as Chairman.

Thanks to all past and present board members. You are to be commended and appreciated for your willingness to serve. Your years of experience, devotion of time, and physical efforts are a great service to Boone County.

## CALENDAR OF EVENTS

June 4	SWCD Board Mtg., 9:00 a.m.
June 14	CRP Sign-up Ends
June 18	Pasture Walk, Kinkead Farm, 6:00 p.m.
June 20	Bobwhite Quail and Native Pollinator Field Day, MU Bradford Research Farm, 1-7:00 p.m.
July 4	Holiday, Office Closed.
July 16	SWCD Board Mtg., 9:00 a.m.
Sept. 2	Holiday, Office Closed.
Sept. 3	SWCD Board Mtg., 9:00 a.m.

## *Congratulations*

Columbia FFA #1 lived up to their name by receiving first place at the 2013 Central Region Envirothon on March 20<sup>th</sup> at the Runge Nature Center with a total of 21 teams participating. Ashland FFA placed first in the Wildlife Category and Columbia FFA #1 took top honors in the Oral, Soils, Forestry, and Current Issue Categories. Three teams represented Boone County: Columbia FFA #1, Columbia FFA #2, and Ashland FFA. Columbia FFA #1 went on to compete at the State Envirothon on May 2 with a third place finish following



Columbia FFA #1 Team

Pembroke Hill A and B Teams. The state winner will represent Missouri in the National Envirothon at Bozeman, Montana on August 4<sup>th</sup>-9<sup>th</sup>. Congratulations to all of our Boone County teams for a job well done!

If your school is interested in more information or in participating in the Central Region Envirothon next year, please call us at 875-5540 ext. 3.

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JUNE 2013 PLANTING IDEAS  
Boone County Soil and Water Conservation District  
Parkade Center, Suite 213E  
601 Business Loop 70 West  
Columbia, MO 65203  
573-875-5540 ext. 3



## BOBWHITE QUAIL AND NATIVE POLLINATOR FIELD DAY 1:00 P.M. TO 7:00 P.M. — THURSDAY, JUNE 20<sup>TH</sup>, 2013

### MU BRADFORD RESEARCH AND EXTENSION CENTER, COLUMBIA, MISSOURI

*Designed for landowners, students, quail & native plant enthusiasts. Meet the experts and see exhibits; no fee and no reservations required. Drinks and hamburgers provided after the event with a completed evaluation.*

- 1:00-3:00 p.m. Quail Management Demonstrations**
- 3:00-4:00 p.m. Landowner Panel-Successes and Challenges**
- 4:15-7:00 p.m. Quail Ecology, Habitat Management and Concurring Native Plants and Pollinators**

#### **One Hour Field Tours: 4:15-7:00 p.m.**

- Walking Tour:** Native Plant Walk: Identification and Landscaping
- Wagon Tour:** Field Borders, Edge Habitats and Pollinator Enhancement
- Conducting Quail Whistle Counts and Habitat Management for Quail
- Native Grasses and Forbs For Drought, Insects, Wildlife and Agriculture
- Meet the Neighbor: Habitat Tour Featuring Selected Management Techniques

Directions: From the junction of U.S. 63 and Hwy AC on the south edge of Columbia, go 5.5 miles east on New Haven Road. Turn right (south) on Rangeline Road and go south for a mile to the Bradford Research Center entrance on the right. For more information, contact Tim Reinbott at 573-884-7945, reinbott@missouri.edu