

The Market Bulletin

www.wvagriculture.org/



Walt Helmick, Commissioner

Vol. 98, No. 11

November 2014



Walt's View

The WVDA passed an exciting milestone October 16 and ushered in an exciting new era in West Virginia agriculture with the opening of an automated potato cleaning, sorting and bagging line at the WVDA farm in Huttonsville. We held a press conference there and if the coverage of the event is any indication, there is great interest in seeing an expansion of commercial agriculture in the Mountain State.

We harvested approximately 250,000 pounds of potatoes on the farm this year with the assistance of inmates from the adjacent Huttonsville Correctional Center. They are being processed and sold to institutions, senior centers, schools, farmers markets and are available direct to the public at select retailers.

Our goal is not for the WVDA to take over the potato business in the state, but rather to promote commercial production by providing private farmers with the means to efficiently package and market potatoes and other root crops. The processing line can also be set up to run onions, turnips and similar produce. Our ultimate goal is for the entire production chain – from seed to distribution – to be under private control, and to keep more of the \$7 billion we spend every year on food inside our state.

We want this project to become a model for others throughout the state. We'll be researching locations that can serve as regional hubs for food processing, aggregation and distribution so that farmers throughout West Virginia will have another

WVDA potato project to serve as model for food aggregation and distribution in the State

route through which to market their products on a year-round basis.

On the same day that we kicked off our potato production we announced the opening of a lime plant at Mill Point that will provide an economical and nearby source of agricultural lime for improving soil quality across that region.

WV Grown Branded Potatoes Harvested at Huttonsville Farm



Approximately 250,000 pounds of potatoes were harvested at the WVDA Huttonsville Farm this year. They are being processed and sold to institutions, senior centers, schools, farmers markets and are available direct to the public at select retailers. The goal is not for the WVDA to take over the potato business in the state, but rather to promote commercial production by providing private farmers with the means to efficiently package and market potatoes and other root crops.

Boxley Aggregates opened the Pocahontas County plant and I was very honored to cut the ribbon on the facility along with local officials and company representatives. Besides agricultural uses, lime will be used by the Division of Natural Resources to optimize water quality for trout in rivers throughout that part of the state, including the Williams, Cranberry, Gauley and Shavers Fork. Construction of the plant, that produces a minimum of 50 tons of lime per hour, was made possible by a \$500,000 loan provided to Boxley through the Greenbrier Valley Economic Development Corporation. The funds came from the West Virginia Department of Commerce.

Another area we continue to focus on is developing current students into future commercial farmers. Of course, I realize that many of today's students ARE today's farmers, but a relatively new program will help students prove their agricultural expertise to potential employers.

The WVDA has endorsed the state Department of Education's Ag Certificate Program, which establishes curriculum in a variety of agriculture, food and natural resource clusters. Students that complete a particular sequence will receive an official "Certificate of Completion" that they can show to employers, many of whom are seeking qualified workers.

The curriculum was developed with input from the WVDA, subject matter experts, and representatives of agriculture industries. The idea was to create courses of study that develop the knowledge and skills sought by employers. We want employers to know that this is a statewide program with real substance behind it, and not just a meaningless piece of paper.

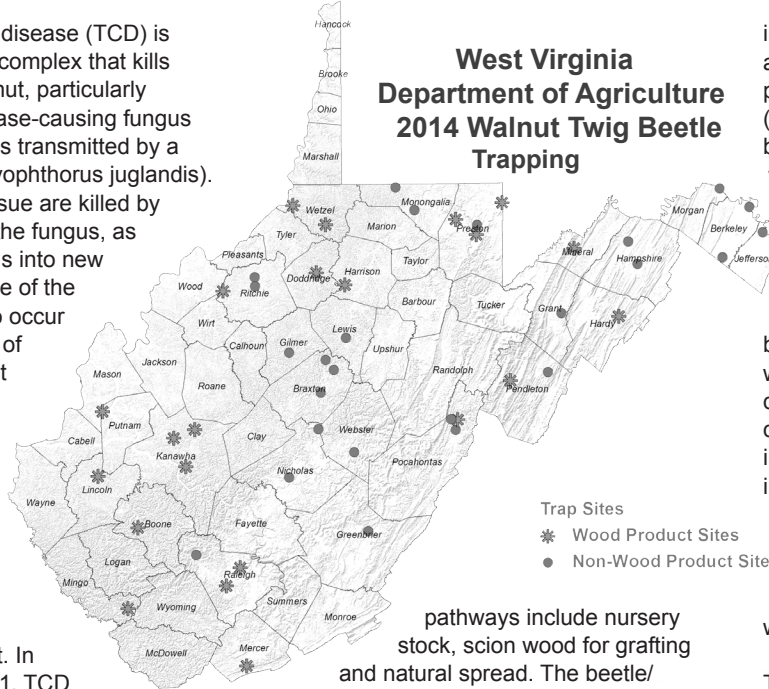
Walt's View
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Walnut Twig Beetle and Thousand Cankers Disease of Walnut Updates

Jill A. Rose, FHP Manager/Forest Pathologist, WVDA Plant Industries Division

Thousand cankers disease (TCD) is a progressive disease complex that kills various species of walnut, particularly black walnut. The disease-causing fungus (*Geosmithia morbida*) is transmitted by a walnut twig beetle (*Pityophthorus juglandis*). Branches and trunk tissue are killed by repeated infections of the fungus, as beetles carry the fungus into new bark. The eastern range of the disease was thought to occur along the Front Range of Colorado, but in August of 2010, TCD was detected on urban trees in Knox County, TN. This was the first detection of this disease complex east of the Mississippi River and was the first find in the native range of eastern black walnut. In July and August of 2011, TCD was detected in Henrico and Chesterfield Counties, VA on urban trees and Bucks County, PA on black walnut at an artisan woodworker's residence. In 2012, North Carolina only detected *Geosmithia morbida* from a black walnut tree and has not detected walnut twig beetle (WTB) in traps or black walnut trees. In 2013, the WTB was trapped outside a wood processing business in Butler County, Ohio. In 2014, *G. morbida* was detected in Indiana and in Maryland. Maryland has only detected WTB from traps and not detected WTB and *Geosmithia morbida* from walnut trees.

The most likely pathway for movement is raw wood such as firewood, logs and wood packaging material. Other potential



pathways include nursery stock, scion wood for grafting and natural spread. The beetle/pathogen complex is likely to enter the East via movement of untreated walnut such as firewood, stumps and burls across country from the west into Eastern states. Campsites and sawmills in the Great Plains states may facilitate the eastern movement of TCD. To date, there have been no reports of infected trees in walnut production nurseries, however, if nurseries do become infected, this could become an important pathway.

Due to the detrimental effects of TCD on walnut, particularly black walnut, and the fact it has been confirmed in North Carolina, Ohio, Pennsylvania, Tennessee, and Virginia there is a real need to continue to survey for this beetle/pathogen complex. Thousand cankers disease may have the potential to destroy black walnut in its native range in a manner previously demonstrated by

introduced species such as the emerald ash borer (affecting all ash species) and pathogens that produce Dutch elm disease (affecting American elm) and chestnut blight (affecting American chestnut). Black walnut is a valuable timber and nut species in the East. Production sectors that face negative impact include timber, furniture, nut and nursery stock. Exports could be affected. Homeowners may face the cost of tree removal. Additionally, black walnut is a hard mast producer so wildlife could be negatively impacted. Early detection and outreach is the best line of defense. Loss of the black walnut timber industry could have a large economic impact as well as significant ecological consequences. Black walnut in the eastern United States has an estimated value of over \$500 billion. West Virginia has one of the highest populations of native black walnut in the eastern US.

The WVDA has been surveying for TCD since 2011 and moved away from the ground survey to trapping for WTB in 2013. Early detection of the vector is vital to the potential local eradication or effective management of the disease. The most efficient way to accomplish this is to set four-unit black plastic multiple-funnel (Lindgren) traps with a wet cup that has a molded solid-plastic bottom that contain a male-produced WTB aggregation pheromone in a bubble cap. Areas of emphasis would be sawmills and log yards that process and store green walnut wood, other wood products industries, black walnut plantations, campgrounds, and urban areas. To date, TCD has not been detected in West Virginia.

Walt's View

cont. from page 1

This item would probably fit better in our employee newsletter, but I think it's important to share it with all the people of West Virginia because it's something we can all be proud of. James McCormick is the WVDA's Veterans to Agriculture coordinator, and he has been working to develop programs to help military veterans find meaningful, therapeutic careers in agriculture.

As you might expect, he is a military veteran – a decorated military veteran who received the Bronze Star with Valor earlier this year for his service in Iraq in 2004. Turns out that he will now be awarded the Silver Star, the third highest award presented exclusively for valor in combat. My sincere thanks to James for his service in Iraq, and my continuing thanks for his work helping many of our state's veterans.

Walt



Commissioner Helmick joined with officials from Boxley Aggregates of WV and other elected officials and regional business leaders to dedicate Boxley's new agricultural lime plant at Mill Point on Oct. 16.

Agricultural Researchers to Receive Quarter Million in Grant Funding

The West Virginia Department of Agriculture (WVDA) will award nearly \$250,000 in 2014 Specialty Crop Block Grants to 14 recipients throughout West Virginia. The awards are part of the U.S. Department of Agriculture's (USDA) Specialty Crop Block Grant Program. They are administered in West Virginia by the WVDA. The grant program encourages cooperative efforts to integrate technology at the farm level, improve marketing and promotion of locally grown specialty crops, and increase production efficiency through research projects.

Specialty crops include fruits, vegetables, herbs, horticulture goods, nursery stock and value-added products.

The following projects (in no particular order) have been awarded grants for the current funding cycle:

1. **“Assessing Opportunities for Maple Syrup Production on Abandoned Mine Lands”** – West Virginia University Research Corporation, \$17,350, Monongalia County. This project will examine sap quality from maples on mine lands and create demonstration areas to showcase new potential sap extraction techniques and increase West Virginia production of maple products.
2. **“Cryopreservation of Honey Bee Germplasm”** – West Virginia Queen Producers Association, \$9,500, Jefferson County. Cryopreserved honey bee germplasm can provide a resource for the preservation of diversity and recovery of endangered populations. The project will preserve and improve honey production by acquiring a complete system for cryopreservation of honeybee germplasm, along with the appropriate knowledge to implement this technology.
3. **“KISRA Farm Expansion”** – Kanawha Institute for Social Research & Action, Inc. (KISRA), \$10,000, Kanawha County. This Specialty Crop Block Grant will provide a scientific study assessing the productivity and profitability of two growing systems of specialty crops (hydroponics and vertical towers) while imparting valuable job skill sets in urban and alternate growing systems. KISRA will partner with West Virginia State University for this study and conduct the comparative analysis.
4. **“Maple Syrup Producers Association”** – West Virginia Maple Syrup Producers Association and West Virginia Department of Agriculture, \$7,200, statewide. With more than 1 million estimated untapped trees in the state, according to a recent Cornell report, the inventory and industry potential for maple syrup is just beginning to be uncovered in West Virginia. The specialty crop block grant for this group will be used to develop basic organizational development, create brand awareness for maple syrup, and develop educational tools for the newly formed Association.
5. **“Maximizing Profitability and Productivity for Sustainable Multiple Vegetable Crop Production in West Virginia High Tunnels”** – West Virginia State University Research and Development Corporation, \$16,000, Kanawha County. The project will undertake research with four growers to investigate crops, production and economic returns on vegetables grown in high tunnels to develop recommendations for high tunnels in West Virginia. Draft production schedules and enterprise budgets will be produced as well as grower training sessions for new and developing high tunnel producers.
6. **“Mobile Vegetable Post Harvest Project”** – West Virginia Department of Agriculture with assistance from Potomac State University, \$43,231, statewide. This project will develop a prototype mobile wash unit that can be transported to farmers' markets and other crop aggregation sites in West Virginia, connected with municipal and approved water sources and allow access to farmers for safe post-harvest washing. The building blueprint will focus on an economical design and be made available for replication in the form of a how-to manual and will feature a unique partnership with the Agriculture Mechanic students at Potomac State University.
7. **“Pecan Production and Demonstration in West Virginia”** – West Virginia State University, \$14,000, Kanawha County. After the 1940s, commercial production of pecans ceased in West Virginia. This represents a huge opportunity for West Virginia small farmers and small forest landowners to become the first to look at the re-introduction of pecan production. The project will educate landowners on the steps they would need to take to begin pecan production and how to care for and maintain the pecan trees and the development of pecan groves.
8. **“Ritchie County Farmers Market Association Specialty Crop Production and Market Storage Improvement Project”** – Ritchie County Farmers Market Association, \$10,000, Ritchie County. Grant funds will be used to purchase a bed shaper/mulch layer, transplanter, mulch lifter, and portable cooling trailer for local producers to use on a shared basis and with a nominal fee. At the completion of the project, the market will experience increased sales and provide additional specialty crop resources for the community.
9. **“Sage II - Perennial Produce”** – CADCO Foundation dba Charleston Area Alliance, \$16,000, Kanawha County. Due to market demand from the past year, SAGE II will explore the growing of asparagus, strawberries, artichoke, and horseradish at five different urban sites. The program will determine which varieties grow the best as well as what conditions produce the best produce for use at market. Varieties will be evaluated on ease of planting and tending, amount of produce produced, ease of sale at market and market value.
10. **“Techniques for Increasing the Supply of Fresh, Locally Grown Produce in the Tygarts Valley District”** – Eastern West Virginia Community Action Agency, \$12,000, Tucker County. The Tygarts Valley District has many small farmers who seek to supplement their income by growing produce for resale. Since farming is often an additional enterprise for these individuals they often do not have the tools to maximize their return, nor is it feasible for them to invest in equipment at such low levels of production. This project will attempt to help with these problems by providing some community equipment (i.e. water wheel planter) to be used to local growers to improve their efficiency in transplanting bedding plants. The other major component is a partnership with WVU Extension Service and Tucker County High School to provide the education to the growers to help them improve yields and efficiency.
11. **“Vineyard Hills Orchards”** Grow Ohio Valley, Inc., \$25,000, Ohio County – Through an innovative land-use partnership, this project will transform a highly visible brownfield into a fertile bramble and fruit tree orchard and intends to fill a gaping hole in unsatisfied demand for local fresh fruits in the Wheeling area. The project will also provide a venue for vocational skills and farming techniques training for new farmers and economically and socially disadvantaged populations.

Grant Funding, cont. on page 12

Fall is here, the holidays are just around the corner and 4-H programs are in full reorganization mode. National 4-H Week was October 5-11, and all counties throughout the state celebrated the 4-H youth and adult volunteer leaders who make an impact on the community and who are stepping up to the challenges of a complex and changing world. Also during National 4-H Week, youth from all around the state and nation completed a single, innovative experiment on 4-H National Youth Science Day held on October 8. This event sought to spark an early youth interest and leadership in science, technology, engineering and math (STEM) careers in an effort keep America competitive in these fields. This year, the National Science Experiment was – Rockets to the Rescue! Designed by the University of Arizona Extension, the set of activities explored the field of aerospace engineering.

Twenty-three senior 4-H competitors from six counties throughout the state competed in the State 4-H Shooting Sports Shotgun Match September 11, at the West Virginia Sportsmen & Firearms Association, Inc. Club Range in Fairmont. The second annual event was co-sponsored by the Club in cooperation with the WVU Extension Service and served as the statewide shotgun competition. The winning county senior 4-H team will represent WV at the National 4-H Shooting Sports Invitational in June 2015. The competition consists of 50 Trap targets, 50 Skeet targets and 50 Sporting Clay targets. The senior team scores in their respective order were: Monongalia County A (361), Wayne County A (332), Monroe County A (324); Wood County (280); and Marshall County A (264). The top three Senior individuals and their respective county were: Brady McMaster (135), Monongalia; Zachary Preston (119), Wayne, and Caleb Hawkins (118), Monongalia County. The Monongalia County A Senior team comprised of Brady McMaster, Zack Keener, Caleb Hawkins, and Cody Hawkins, along with coaches Jim Bowers and Christine Fox will be representing West Virginia at the National 4-H Shooting Sports Invitational Shotgun Event, June 2015 in

4-H HAPPENINGS

*Jean Woloshuk, WVU Extension Specialist,
4-H Youth Agriculture (retired)*



Monongalia County A Senior 4-H Shotgun Team (l-r): Coach Jim Bowers, Zack Keener, Cody Hawkins, Brady McMaster and Caleb Hawkins. Assistant Coach Christine Fox not pictured.

Grand Island, Nebraska.

State 4-H Horse, Livestock, Dairy and Poultry Judging Teams are preparing to represent WV at their respective national 4-H competitions this month. We'll share results on the National contests in the next addition. Good luck to all!

County 4-H Shooting Sports teams from around the state are gearing up for the 2015 State 4-H Shooting Sports (Air Rifle) Competition which will be held on January 31 in Braxton County. Junior and Senior teams will compete in this National Standard 3-Position Sporter Air Rifle competition. Senior teams will be competing to qualify a 4-H senior county air rifle team to compete in the National 4-H Shooting Sports Invitational, June 2015 in Grand Island, Nebraska.

All shooting sports activities are conducted by 4-H trained/certified volunteer leaders. A State 4-H Shooting Sports Instructors' Training Weekend will be held on February 20-22 at WVU Jackson's Mill. The purpose of the State 4-H

Shooting Sports Workshop is to certify adult volunteer leaders who wish to become instructors to teach in their respective counties. Each person attending can be certified in only one area of competency at this workshop. Each participant can only register for one of the following disciplines: Air Pistol, Air Rifle, Archery, Shotgun, Wildlife Conservation/Hunting and Black Powder. The program will start on Friday evening and close at 4:00pm on Sunday.

And a heads up...the Multi-Disciplinary State 4-H Shooting Sports Camp will be held on April 17-19, 2-15 at the Gilmer County 4-H Recreation Center in Glensville, WV. Campers will be enhancing their skills and knowledge in the shooting sports disciplines of Air Rifle, Air Pistol, Archery, Shotgun, and Muzzleloading through the efforts of state and county 4-H Shooting Sports instructors.

Happy Holidays and Happy New Year!

For more information on other WVU 4-H Programs, contact your local WVU Extension Office or visit www.ext.wvu.edu.

WVU Extension GARDEN CALENDAR...NOV./DEC. 2014

NOVEMBER

- Nov. 1Remove stakes and trellises.
- Nov. 3Mulch carrots for winter use.
- Nov. 4Fertilize under deciduous trees and shrubs.
- Nov. 5Turn compost, water trees and shrubs thoroughly if fall has been dry.
- Nov. 6Remove diseased plant debris from garden.
- Nov. 7Apply lime and fertilizer according to soil test.

- Nov. 8Winterize garden tools.
- Nov. 12 ..Mulch strawberries.
- Nov. 15 ..Turn compost.
- Nov. 17 ..Mulch perennial beds.
- Nov. 18 ..Harvest salad greens from high tunnel.
- Nov. 20 ..Cut hardy chrysanthemums to 2 or 3 inches and mulch.
- Nov. 22 ..Fertilize houseplants.

DECEMBER

- Dec. 1Turn compost.
- Dec. 2Protect shrubs from harsh weather.
- Dec. 3Mulch hybrid roses.
- Dec. 6Select cut Christmas tree with flexible needles.
- Dec. 11 ..Begin harvest of high tunnel carrots and lettuce.
- Dec. 12 ..Buy live Christmas tree.
- Dec. 15 ..Turn compost.
- Dec. 26 ..Plant live Christmas tree.

Plenty of purpose for Pumpkins!

Jean Smith, Director, WVDA Marketing & Development Division

Pumpkins provide many purposes! They are colorful, great for decorating and most especially they are nutritious! It is low in calories, high in fiber and high in antioxidants such as vitamins A, C and E! An added bonus for many is that the seeds are easy to roast and very nutritious!

The majority of the following recipes are winners from the 2014 WV Pumpkin Festival Bake Off! – *Happy Cooking!*



Recipes

Mason Jar Pumpkin Cheesecake Trifle

Mary McClure, Barboursville, WV

- | | |
|--------------------------------|--------------------------------|
| 1 loaf pumpkin bread | ½ teaspoon pumpkin pie spice |
| 8 ounce cream cheese, softened | 2 cups whipped topping, thawed |
| 1 cup canned pumpkin | Pecan halves |
| ½ cup sugar | |

Cut pumpkin bread into slices and then into bite size pieces. Set aside. In large bowl, whisk softened cream cheese, pumpkin, sugar and pumpkin pie spice until combined. Fold in whipped topping until just combined.

Fill the bottom of 4 mason-style half pint jars with a few pieces of pumpkin bread. Spoon a layer of pumpkin cheesecake filling on top. Repeat layers until jars are full. Top with additional whipped topping if desired and pecan halves.

Recipes

Pumpkin Cheesecake Snickerdoodles

Darlene Hudnall, Winfield, WV

- | | |
|---|-----------------------|
| 3¼ cups flour | Filling |
| 1½ teaspoons baking powder | 8 ounces cream cheese |
| ½ teaspoon ground cinnamon | ½ cup sugar |
| ¼ teaspoon nutmeg | 2 teaspoons vanilla |
| 1 cup unsalted butter at room temperature | Coating |
| 1 cup sugar | ½ cup sugar |
| ½ cup brown sugar | 1 teaspoons cinnamon |
| 1 cup pumpkin | ½ teaspoons ginger |
| 1 large egg | Dash allspice |
| 2 teaspoons vanilla | |

In a bowl whisk flour, baking powder, cinnamon and nutmeg. Set aside. Beat butter and sugars until fluffy. Blend in pumpkin, beat in eggs and add vanilla. Slowly add dry ingredients. Cover bowl with plastic wrap and place in refrigerator for 1 hour.

Filling: Blend cream cheese, sugar and vanilla in a small bowl. Cover and chill for one hour.

Preheat oven to 350°F. Line baking sheets with parchment paper. In a small bowl combine coating ingredients.

To make cookies, take approximately 1 tablespoon of batter, flatten and place one teaspoon of cream cheese in center. Flatten another 1 tablespoon of cookie batter and place on top. Crimp edges and roll in a ball. Roll ball in sugar mixture. Place on parchment lined cooking sheet. Flatten cookie ball with the bottom of a heavy glass. Bake for 10-15 minutes.

Recipes

Chocolate Chip Pumpkin Biscotti

Claire Morrison, Hurricane, WV

- 5 cups flour
- 1 tablespoons baking powder
- 1½ teaspoons salt
- 1 teaspoon cinnamon
- ½ teaspoon ground ginger
- Dash ground cloves
- 1⅓ cup sugar
- 1 cup butter
- 1 cup canned pumpkin
- ½ cup water
- ¾ cup semi-sweet chocolate chips
- ½ cup chopped pecans
- Additional chocolate chips for drizzle

Preheat oven to 375°F. Line two cookie sheets with parchment paper. In a medium bowl, mix flour, baking powder, salt, cinnamon, ginger and cloves until well blended. In a large bowl, combine sugar and butter and beat with an electric mixer until fluffy. Add pumpkin and water and beat until well blended. Add flour mixture slowly with mixer set on low speed. With a spoon stir in chocolate chips and pecans. Divide dough into two equal parts and shape into logs about 12 inches long and 4-5 inches long. Place on parchment paper covered cookie sheets.

Bake at 375°F for 30-35 minutes until firm to touch. Allow logs to cool on wire rack for approximately 20 minutes. Slice logs into 1 inch diagonal slices and lay them with cut side down on the cookie sheets. Return to 375°F oven and bake for approximately 20 minutes until they are brown and dry. Cool completely and drizzle with melted chocolate chips. Makes 2 dozen biscotti.



Commissioner Helmick visits Upshur County



Above: Commissioner Helmick visited with members of the Upshur County FFA Chapter during a recent visit to the Buckhannon-Upshur High School vo-ag program, which includes a greenhouse, science laboratory, barn, breeding sow and ag mechanics workshop. The pink tractor was a gift to agriculture teacher, FFA advisor and breast cancer survivor Connie Scarbrough, who was also a finalist for state "Teacher of the Year" honors.

Right: Kari Gay of French Creek, Upshur County, poses for a photo with Commissioner Helmick, who was visiting to see the potato operation on her family's farm.



National FFA membership explodes to 579,678 students

Analysts forecast that the world's population will grow to 9 billion people by 2050. With global needs today to fight hunger and prepare for the expected population explosion, the agriculture industry needs educated, skilled and passionate people dedicated to sustainability.

Students are answering that call, evidenced by an explosion in FFA membership throughout the U.S, Puerto Rico and the Virgin Islands in the past year.

Membership in FFA today stands at 579,678 students in grades seven through 12. More than 22,300 new students joined FFA during the 2012-13 school year. The number of new, local FFA chapters throughout the country has grown to 7,570.

"FFA is preparing our youth to ensure the security of our country's food, fiber and natural resources for years to come," said National FFA Organization CEO Dr. Dwight Armstrong. "Through real-world experiences, the nation's agriculture teachers are helping students develop the technical knowledge, skills and problem-solving capabilities to be the industry's leaders of tomorrow. FFA members will be tomorrow's advocates for agriculture."

FFA, cont. on page 11

Farm groups appeal EPA rule for Chesapeake Bay Watershed

The American Farm Bureau Federation announced Oct. 8 that it will appeal a federal district court's decision to uphold a stringent set of rules by the U.S. EPA that would determine the total amount of nutrients that can enter the estuary and set new land use restrictions within the 64,000 square-mile watershed.

The EPA's rule, known as the Chesapeake Bay Total Maximum Daily Load, or simply "pollution diet," was formed over the past decade and broadly seeks to reduce the amount of nitrogen, phosphorus and sediment entering the Chesapeake Bay, while imposing new restrictions on crop and animal agriculture, as well as municipalities.

The Middle District Court of Pennsylvania upheld the EPA's TMDL in a Sept. 13 decision. The American Farm Bureau and Pennsylvania Farm Bureau announced this month they are appealing, saying the current decision gives federal government "wide latitude" to dictate local land use decisions.

"This is a wrongly decided case that has dangerous implications for farmers and many others in the Chesapeake Bay area and nationwide," said AFBF President Bob Stallman, in a released statement.

Stallman said the appeal is not over whether to protect the bay.

"We all share that goal," he said. "This case is about whether EPA can dictate where farming will be allowed, where homes can be built, and where businesses can be established."

Other parties

The National Corn Growers Association is also appealing.

"Our organization understands and supports the need to protect water quality but we don't support a wrongfully decided case when it has a profoundly negative impact on agricultural production and innovation," said NCGA President Martin Barbre.

By comparison

The EPA says more than 40,000 Total Maximum Daily Load limits have been approved across the nation, but this one is the largest and most complex.

It limits nitrogen in the bay to 85.9 million pounds, phosphorus to 12.5 million pounds, and sediment to 6.45 billion pounds, per year.

Comparatively, that means a 25 percent reduction in nitrogen, 24 percent reduction in phosphorus and 20 percent reduction in sediment.

These limits are also divided by jurisdiction, and by major river basins.

The many pollution controls in the TMDL are to be in place by 2025, with practices in place by 2017 to meet 60 percent of the necessary pollution reduction.

State governments and farmers within the watershed have been pursuing conservation measures for many years, including adopting new Best Management Practices.

But over time, federal oversight has increased. In May of 2009, President Barack Obama signed an executive order which directed the federal government to lead a "renewed effort" to restore the watershed.

Classified Announcements

Available on the Web: http://www.wvagriculture.org/market_bulletin/market_bulletin.html

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AD DEADLINES

December 2014 . .

Phone-In ads for the December issue must be received by **12 noon on Thursday, November 13.**

Written ads for the December issue must be received by **1 p.m. on Friday, November 14.**

To place your ad over the phone call 558-2225.

January 2014 . .

Phone-In ads for the January issue must be received by **12 noon on Thursday, December 11 .**

Written ads for the December issue must be received by **1 p.m. on Friday, December 12.**

To place your ad over the phone call 558-2225.

PRICES

A price must be included with Market Bulletin items being offered for sale.

To subscribe to The Market Bulletin, email marketbulletin@wvda.us or phone 304-558-3708.

APIARY SALES

Honey bees, 5 frame Italian VSH/Russian spring NUC's w/open mated queen, comes w/3-4 frames brood & bees, 1-2 frames stores, no deposit, pre-order price \$125/due at pick-up, inspected by state apiarist prior to sale. Thomas Bartram, 515 Trace Brance Rd., Fort Gay, 25514; 277-8112.

CATTLE SALES

Sim-Angus 4/14 bull, black, polled, sired by SOS, Dam, Plainview Lutton, \$2,000. Jeff Allen, 2398 Dowler Rd., Moundsville, 26041; 845-7549.

Miniature Jersey 8-mo. heifer, leads, ties, \$1,500. Sam Arbogast, P.O. Box 164, Hillsboro, 24946; 653-4942.

Reg. Black Angus 5-yr. herd bull, 2,000 lbs., \$3,500. R. Bird, 164 Turkey Crk. Rd., Hurricane, 25526; 562-5849.

Reg. Simmental & Sim-Angus bulls, AI sires BC Lookout, Mo Better, Steel Force, Hoc Broker, SAV Brilliance, Grandmaster, Upgrade, First Rate, \$2,500/up. Jim Bosley, P.O. Box 5, Old Fields, 26845; 530-6636.

Simmental & Sim-Angus bulls, black & red, \$1,750/up. Chris Brown, 430 Levels Rd., Fairmont, 26554; 290-8383; classicism@aol.com.

Cattle Sales, cont. on page 8

Barbour Co. Beekeepers Assoc.

Monthly Meeting

4th Thursday, 7 p.m.

Barbour Co. Fairgrounds

Belington, W.Va.

Contact David Proudfoot 823-1460;

dp-foot@hotmail.com.

Central W.Va. Beekeepers Assoc.

Monthly Meeting

1st Monday

Braxton Co. High School, Vo-Ag Rm.

Contact Susan Bullion, 452-8508;

billandsuebullion@frontiernet.net.

APIARY EVENTS

Clay Co. Beekeepers Assoc.

Monthly Meeting

2nd Monday, 6 p.m.

Clay County Senior Center

Contact John Pruitt, 587-2451

jpruitt@frontiernet.net.

Corridor G Beekeepers Assoc.

Monthly Meeting

1st Tuesday, 6 p.m.

Chapmanville Middle School

Chapmanville, WV

Contact Tony Meadows, 524-7690

Fastrakhounds@outlook.com.

Gilmer Co. Beekeepers Assoc.

Monthly Meeting

3rd Tuesday, 6 p.m.

Gilmer Co. Public Library

Glenville, W.Va.

Contact Bobbi Cottrill, 462-7416;

bcottrill119@hotmail.com.

Highlands Apicultural Assoc.

Monthly Meeting

4th Monday, 6:30 p.m.

WVU Ext. Office Meeting Rm.

Elkins, W.Va.

Contact Ben McKean, 227-4414;

hiapas@yahoo.com.

Jackson County Beekeepers Assoc.

Dec. 6, 10 a.m.-Noon

McDonald Bldg.

Jackson Co. Jr. Fairgrounds

Cottageville, W.Va.

Contact Jeff Crum 531-0018.

Kanawha Co. Beekeepers Assoc.

St. Albans, W.Va.

Contact Steve May, 727-7659;

kanawahavalley.beekeepers@yahoo.com.

Marion Co. Beekeepers Assoc.

Monthly Meeting

4th Thursday, 7 p.m.

Pleasant Valley Municipal Bldg.

2340 Kingmont Rd.

Fairmont, W.Va.

Contact Tom Kees, 363-4782;

Nancy Postlethwait, 366-9938

lpostlethwait@yahoo.com.

Mercer Co. Beekeepers Assoc.

Monthly Meeting

First Monday, 7 p.m.

Princeton, W.Va.

Contact Bill Cockerman, 425-6389

blackoak85@gmail.com.

Nicholas Co. Beekeepers Assoc.

Monthly Meeting

3rd Monday, 7 p.m.

Summersville Public Library

Summersville, W.Va.

Contact Joe Strickland, 649-4717.

North Central W.Va. Beekeepers Assoc.

Monthly Meeting

3rd Monday, 7 p.m.

Harrison Co. 4-H Center

Clarksburg, W.Va.

Contact Michael Staddon, 782-9610.

Potomac Highlands Beekeepers Assoc.

Monthly Meeting

3rd Thursday

Bank of Romney Comm. Center

Romney, W.Va.

Contact Elvin Rose, 434-2520;

emrose0206@yahoo.com or
potomachighlandsbeekeepers.weebly.com

Preston Co. Beekeepers Assoc.

Monthly Meeting

3rd Thursday, 7 p.m.

Preston Co. Ext. Office

Contact Don Cathell, 454-9695.

Southeastern Beekeepers Assoc.

Monthly Meeting

2nd Thursday, 7 p.m.

Osteopathic School-Alumni Center

Lewisburg, W.Va.

Contact Mary Holesapple, 772-3272;

mary.holesapple@frontier.com.

Tri-State Beekeepers Assoc.

Monthly Meeting

3rd Thursday, 7 p.m.

Good Zoo Bldg. - Oglebay Park

Wheeling, W.Va.

Contact Steve Roth, 242-9867;

sroth29201@comcast.net.

Upshur Co. Beekeepers Assoc.

Monthly Meeting

3rd Tuesday, 6:30 p.m.

W.Va. Farm Bureau Bldg.

Buckhannon, W.Va.

Contact Roy Carder, 472-7413.

West Central Beekeepers Assoc.

Monthly Meeting

4th Saturday, 1 p.m.

Roane Co. Committee on Aging Bldg.

Spencer, W.Va.

Contact Dale Cunningham, 354-6916;

janingham46@yahoo.com.

Black Angus 9-mo. bull, out of reg. cow & bull, easy calving, 25+ milk, \$1,200. Randal Burns, 397 Sunnybrook Dr., Hurricane, 25526; 562-6938.

Angus 14-mo. bulls, New Design blood, low birth EPDs, good disp., \$1,800. Cliff Crane, 143 Spiker Rd., Bruceton Mills, 26525; 379-4482.

Reg. Hereford yrlg. bulls, \$2,000/up. Bobby Daniel, P.O. Box 214, Fairdale, 25839; 575-758.

Heifer black w/white face & 1st 9/14 heifer calf, \$2,300/up. Shannon Daniel, P.O. Box 214, Fairdale, 25839; 575-758.

Maine-Angus 18-mo. light wt. bull, \$2,000; Sim-Angus bred heifers, due in spring, \$2000/ea. Paul Dixon, 70 Carnation Dr., Mannington, 26582; 825-6421.

Reg. Lim-Flex 4-yr. bull, \$3,000; Limousin & Lim-Flex bulls, heifers & heifers w/calf by side, w/ or w/o papers, \$1,500/up; Terry Dobbs, 8238 Fork Ridge Rd., Glen Easton, 26039; 845-1627.

Dexter 4/14 calves, both female, 1 black & 1 dunn, \$750/ea. Robyn Dorsey, P.O. Box 148, 312 Johnson Rd., Nettie, 26681; 846-2861.

Black Angus heifers, 6- 13-mo., Daybreak, T.O.F. In-Line, Mitty in Focus blood, \$1,100/up; bulls, 11- 15-mo., Daybreak, T.O.F. In-Line, Connealy blood, \$1,800/up, both all papers complete. Fred Edgell, 1471 Bingamon Rd., Worthington, 26591; 592-2717.

Hereford bull, good disp., \$1,500. Bob Evans, 205 Herb Harsh Rd., Horse Shoe Run, 26716; 735-3121.

Hereford 2-yr. bull, dark red, excel. disp., \$1,600. Steve Feaster, HC 84, Box 58A, Keyser, 26726; 790-2999.

Reg. Polled Hereford bulls, cert./accred. herd, Sons of Trust, Revolution, Masterpiece, Can-Am & Wrangler blood, \$2,000/up, fall yrlegs. have perf. & ultrasound data avail. upon request. Derek Haught, P.O. Box 85, Smithville, 26178; 477-3818; derek@fivestarherefords.com.

Reg. Belted Galloway bulls, \$1,500/up. Rodney Kiser, 2421 Independence Rd., Independence, 26374; 892-2999.

Reg. Belted Galloway yrlg. heifer, \$1,800. Gary Leadmon, 17 Full Moon Dr., Charleston, 25306; 925-2455.

Reg. '14 Angus & commercial Sim/Angus bull calves, \$1,500-\$1,800. Dave McCardle, 153 Black Angus Lane, Moundsville, 26041; 845-1189; dcmccardle@cs.com.

Reg. Black Angus 10-mo. bull calves, SAV Final Answer blood, weaned, grain fed, halter broke, & good disp., will make excel. herd sire bulls, \$1,800/up. Justin McClain, 2853 Dry Fork, Salem, 26426; 782-3983.

Reg. Angus '13 bulls, most were fed/evaluated at Wardensville Summer Bull Test, AI sired by Consensus, Ten X, CC&T, Objective, Trust, Power Tool, easy calving, EPDs, \$2,250-\$3,500. Greg Moore, 828 Maple Lick Rd., Bridgeport, 26330; 842-6210; gmooreangus@gmail.com.

90% Black Angus yrlg. bulls, \$950/ea. Larry Queen, 224 Viking Rd., Apt. A, Charleston, 25302; 614-937-1595.

Reg. Gelbvieh cows & open heifers, black & reds, cows AI bred for 3/15 calves, \$1,600/up/open heifers; \$2,300/up/bred cows. Kevin Rawson, 2983 Hemlock Rd., Ravenswood, 26164; 531-0215.

Reg. Shorthorn bulls, 1, red/white, 1, roan, polled \$1,350/ea. Larry Roberts, 368 Sugar Run Rd., Littleton, 26581; 775-2787.

Reg. Black Angus heifers & bulls, \$1,500/ea. James Rowe, 5196 Malcolm Rd., Barboursville, 25504; 690-0126.

Reg. Polled Dexter bull, \$2,000; reg. Dexter heifers, disbudded, excel. disp. & milking lines, \$1,500/ea.; 75% Dexter-Angus/Hereford cross heifer, \$800, all vet checked/vacc. Barney Sigman, 24430 Ashton Upland Rd., Milton, 25541; 614-558-5330; info@simplyllamas.com.

Pure Scottish Highland 3/14 heifer, red, sire reg. Paint Bank blood, \$1,200. Linda Snyder, HC 40, Box 36, Lewisburg, 24901; 645-6466.

Reg. 2 yr. bull, Final Answer blood, sm. head & long, herd & heifer bull, excel. cond., \$2,500. Steve Stowers, Rt. 1, Box 97, Milton, 25541; 743-0761.

Miniature Jersey Dexter cow w/miniature Jersey heifer calf, AI serviced, \$2,500. Terry Stutler, 725 Two Lick Rd., Jane Lew, 26378; 745-3795.

Black Angus 3-yr. bulls, 2, quite thick muscle, can see calves, \$2,500/ea. William Suan, 143 Post Farm Rd., Lost Creek, 26385; 622-6223.

Reg. Angus yrlg. bulls, perf. tested via Wardensville summer program & ready for use, low birth wt., good disp., \$3,000/up. Rod Summers, 98 Meadland Rd., Flemington, 26347; 677-6255; summersbunch@aol.com.

Hereford bulls, low birth wt., excel. disp./EPDs, \$2,000/up. Matt Taylor, 1338 Crooked Run Rd., Ravenswood, 26164; 532-1181.

CATTLE WANTS

Hereford cows w/ or w/o calves. Steve Feaster, HC 84, Box 58A, Keyser, 26726; 790-2999.

Guernsey cow or heifer. D. Rittenhouse, 7806 Wesley Chapel Rd., Green Bank, 24944; 456-4363.

EQUIPMENT SALES

No trucks, cars, vans, campers or other autos; backhoes (except 3-pt. hitch), dozers or other construction equipment; lawn equipment; no parts.

Manure spreader, ground driven, good cond., \$450. Frank Bolyard, 2326 S. Mountaineer Hwy., Thornton, 26440; 672-2041.

Kubota '14, 7060 diesel, 4 WD, 1154 loader, hyd. subtle, canopy, 4 outlets, rear tires loaded, custom built, skid plate, 100 hrs., \$32,000. B. Boster, 4465 SR 34 S., Hurricane, 25526; 562-6575.

MF 150 diesel w/Perkins eng., new tires/wheels/battery, loader w/forks, \$5,000. Bobby Boston, 1528 Cisco Rd., Cairo, 26337; 628-3584.

JD 39, 7', sickle bar mower, rear mount, 3-pt. hitch, all new pitman & assembly, some new blades, \$400. Menno Brennehan, 2015 Sliding Hill Crk. Rd., Letart, 25253; 971-0076.

MF 30 tractor, nice, good tires/cond., \$2,500. S. Christian, HC 37, Box 301, Lewisburg, 24901; 497-2020.

Vemeer WR20, 8-wheel V rake, good cond., \$3,200. Cliff Crane, 143 Spiker Rd., Bruceton Mills, 26525; 379-4482.

MF #12 sq. baler, \$2,850; NI manure spreader, PTO drive, \$2,750, both excel. cond.; Massey Harris '46, 44, wide front, tractor, \$4,500. Sam Croy, P.O. Box 1240, Crab Orchard, 25827; 673-0116.

McCormick '08, CX 95, extra shift, 4 WD, 1,600 hrs., bush hog quick attach. loader, 72" bucket, \$36,500, pictures avail. Fred Dague, Rt. 1, Box 155A, Valley Grove, 26060; 551-3403.

Kubota 3400 tractor, 34 hp, 3-cyl. diesel eng., hydrostatic trans., 4 WD w/loadable ropes & Kubota LA463-1 front loader, only 180 hrs., excel. cond., \$18,000. Guy Dillon, P.O. Box 547, Fort Gay, 25514; 417-5257.

Foton 404 tractor, 4 WD, diesel, 143 hrs., \$15,000. Mildred Elza, HC 73, Box 5, Bowden, 26254.

Ford 8N tractor, converted to 12 volt system, \$2,200/cash only. Nelson Gilbert, 1201 VanMeter



All equine require a negative one year Coggins test. All out-of-state equine require a current Certificate of Veterinary Inspection.

Monthly Meeting

Nov. 4, 7 p.m.

Sponsored by: Jackson County Horse Club
Kenna Grange
(beside Kenna Elementary)
Brittani Harrison, 531-2524;
britt1027.wix.com/jchc
Kendra White, 542-5229.

Jackson County Horse Club Banquet

Nov. 8, 6 p.m.

Sponsored by: Jackson County Horse Club
Ripley Middle School
Ripley, WV
Karen Harrison, 532-3339;
britt1027.wix.com/jchc

Contest Show

Nov. 15, Exhibition 10:00 a.m.

Show 1:00 p.m.

Sponsored by: Turn and Burn Arena
Turn and Burn Arena
Glen Easton, WV
Patty Bungard, 845-1765.
pbungard2@hotmail.com.

Way, West Liberty, 26074; 336-7496.

Boom/pig pole, \$195; bale spears, 2, 1,500 lb. capacity, \$200/ea.; bale fork/carrier, 50' arms, \$300, all 3-pt. category 1. D. Gooding, 2219 Indian Fork Rd., Orlando, 26412; 462-7075.

Int. 1-row corn picker, \$100; NH 404 hay crusher, \$100. Ronald Hoffman, 9 McNeesh Lane, Glen Easton, 26039; 854-7088.

NH 472, 7', hay bine, excel. cond., \$4,500; Vermeer 504, Super 1, 4x5, round baler, \$9,500; Int. 3-pt. slip scoop reversible, \$350. R. Kinnard, 7516 Huntington Rd., Gallipolis Ferry, 25515; 675-3034.

MF 255 tractor, 203 rebuilt eng., 2 WD, multi power, wet lines, 600 hrs., needs clutch, \$4,500/as is; \$6,500 w/new clutch. Aaron Kinsinger, 1393 Gibbstown Rd., Letart, 25253; 882-8245.

JD 1520 tractor, 48 hp, ps. 2-stage clutch, roll bar w/canopy, middle & rear PTOs, spin out rims, remote hyds., front end loader, \$5,300; JD 350 sickle bar mower, \$1,325. Lewis Martin, 83 Glen Haven Dr., Bridgeport, 26330; 842-0666.

Sickle bar mower, rear mount, 6', hand lift for Farmall A or B, \$125; moldboard plow for Farmall C tractor, 2-way, single bottom, under mount, \$250. Clyde Mitchell, 427 Red Knob Rd., Buckhannon, 26201; 472-7453; cpmitchell52@gmail.com.

3-pt. hitch fert. spreader w/PTO shaft, \$300. Ed Norman, 89 Sisler Rd., Bruceton Mills, 26525; 379-3533; enorman2222@gmail.com.

45TH ROCKING P FARM & GUEST PRODUCTION SALE

Nov. 7, 7 p.m.

Jackson Mill, Weston, W.Va.
Contact Don Peterson, 269-3877;
rockingp@shentel.net.

JD 5205 tractor, 4WD w/in-loader, quick detach, bale spear that goes on when the in-loader comes off, approx. 1,600 hrs., barn kept, \$22,000. Elmer Nixon, HC 67, Box 538, Renick, 24966.

Ford '49, 8N tractor, Sherman step up trans., provides 8 forward & 2 reverse speeds, good cond., \$2,700. Orland Parks, 232 Union Hwy., Scherr, 26726; 749-7653.

NH Super 717, 1-row corn chopper, \$500; JD 24T sq. baler, \$500. William Randolph, 285 Wilmar Farm Rd., Lost Creek, 26385; 745-3746.

NH 451 sickle bar mower, 7', good cond., barn kept, extra sickle, \$1,200. J Rice, 9448 Rt. 20 South Rd., French Creek, 26218.

Kubota, BX1500 tractor, 4 WD, 500 hr., excel. cond., 48" mower deck & snow blade, \$7,500. Tom Rogers, 111 Vector Avenue, Elkins, 26241; 636-9868.

Corn picker, 323, 1-row, barn kept, \$2,500; 3-pt. hitch scoop w/manure fork & dump bucket, \$300; Pasture Dream seeder, \$800. James Rowe, 5196 Malcolm Rd., Barboursville, 25504; 690-0126.

NH 451 sickle bar mowers, 3, w/extra blades, \$750/all. Alan Rudley, HC 67, Box 538C, Renick, 24966; 497-2261.

Allied 350 front loader w/bucket, mounted on 2040 JD tractor, you can see it work before buying, incl. 2-lever valves, brackets, hoses & forks, \$17,000/obo; MF brush hog, 5', 3-pt. hitch, \$300. Bob Simons, RR 1, Box 36, Montrose, 26283; 636-2380.

Blade, 5' w/3-pt. quick hitch, excel. cond., \$250/cash only. Pam Skotnicki, 204 Ridgeview Dr., Ripley, 25271; 372-7720.

JD 55 hp tractor w/loader, 4 WD, 185 hrs., \$28,000. Charles Smith, 94 Dogwood Trails, Napier, 26631; 452-8821.

IMCO 2 bottom, 3-pt. hitch plow, coulter, new shears, good cond., \$600; Int. Harvester cream separator, hand crank, \$600; carry-all, 3-pt. category 1 hitch, 2' decking, \$150. Robert Smith, 1586 Beech Run Rd., Albright, 26519; 965-6370.

MF '71, 180 tractor, machine able, body in good cond., needs some new tin & paint, \$5,500. Roy Smith, 2751 Little Sandy Rd., Bruceton Mills, 26525; 379-4511.

NH 790 chopper w/2-NR Corn Head & PU, shed kept, \$6,000; 10', 3-pt. hitch spring tooth harrow, \$500. Cloyce Sowers, RR 1, Box 31, Augusta, 26704; 496-7006.

Horse drawn equipment: McCormick #7 mower, 6' bar, completely reconditioned, \$1,500; NI hay rake, \$1,200, Doyletown thrash machine w/self feeder, weigher & straw blower, \$1,000/obo. Carl Spessert, RR 1, Box 216-1, Montrose, 26283; 704-8276.

Case IH, 385 w/loader, diesel, 2 WD, 1,500 hrs., restoration in progress, new tires, \$14,500. Don Stacy, 7872 Alta Dr., Alderson, 24910; 647-5264.

MF '65 tractor, 50 hp, wet brakes, ps, place to hook up wet lines, \$5,200. Bobby Stover, 207 Crooked Run Rd., Mt. Hope, 25880; 877-3316.

JD 655 tractor, 4 WD, automatic w/4' brush hog, \$4,000/obo. Frank Straight, 44 Toothman Run Rd., Rivesville, 26588; 449-1968.

JD '702 hay rake, shed kept, excel. cond., \$2,800. William Suan, 143 Post Farm Rd., Lost Creek, 26385; 622-6223.

Kuhn 440T hay tedder, 4 rotor, ballon tires, excel. cond., shed kept, \$3,000. Matt Thornhill, Rt. 1, Box 31, Montrose, 26283; 637-0988.

MF '85, 230, 35 hp, diesel, 3-pt. hitch, roll cage, ps, well kept, excel. cond., \$6,500. Phillip Truam, 434 Rector Rd., Parkersburg, 26105; 483-7345.

David Brown 1210 farm tractor w/front loader, 72 hp, rear tires like new, front tires very good, good cond., \$4,500/obo. James Villers, 2709 Cleveland Ave., Parkersburg, 26104; 428-3740.

JD '39, H, antique tricycle tractor, hand clutch/start, excel. cond., show ready, new rubber, \$4,500/obo. Dan Vincent, 1897 Adamsville Rd., Shinnston, 26431; 669-5812.

Gravelly tractors: Professional 5665, 12 hp, Kohler 8 speed elec. start, dual wheels, turf tires w/40" deck, riking sulky w/steering wheel; Super Convertible, 7.6 hp, elec. start w/ 30" HD brush hog mower, both good cond., \$2,400/ea. Charles Watson, 4256 McClellan Hwy., Branchland, 25506; 778-3533.

JD 24T, sq. baler, good cond., \$2,000. Mary Webb, 716 Rocky Fork Rd., Orlando, 26412; 462-4281.

EQUIPMENT WANTS

Old time, hand turned, rope making machine. Carl Elliott, 2570 Borland Springs Rd., Waverly, 26184; 679-5765.

Corn planter, 2 or 4-row, no till. Gary Elmore, RR 2, Box 50E, Sinks Grove, 24976; 520-4974.

MF 135 side mower, good cond. Darrell Frazier, 3045 Newark Rd., Elizabeth, 26143; 481-7391.

Int. Harvester 1206 or 1266 farm tractor. Don Stacy, 7872 Alta Dr., Alderson, 24910; 647-5264.

Trailer, 3-horse. David Wells, 380 Park Ridge Rd., Sistersville, 26175; 652-2234.

FARM SALES

Advertisements for land MUST be about farmland that is at least five (5) acres in size & located in West Virginia. Farmland ads MUST include accompaniments (house, barn, hayfield, garden, etc.) but no specifics, i.e., new kitchen, family room, etc. Ads for the sale or rental of farmland are acceptable from individuals, but MUST include the above. Advertisements for hunting land, commercial or city properties CANNOT be accepted.

Mason Co.: 17.5 A. w/house, public water, fenced, mostly pasture, level, 2 crks., outbldgs, 2 wells, good access, located on Tribble Road, \$75,000. Paul Blake, 471 Jenkins Fork Rd., Fayetteville, 25840; 574-0842.

Roane Co.: 5 A. w/houses, garage, woods, utilities, paved county rd., 10 mi. from I-77, on Vicars Ridge, \$60,000. R. Silman, 2380 Williams Hwy., Williamstown, 26187; 550-5131.

GOAT SALES

ADGA reg. Nubian bucklings, excel. milking & show lines, \$200/ea. Claudia Burris, 5200 Seven Mile Ridge Rd., Apple Grove, 25502; 576-2514.

ADGA reg. '14 Saanen/Nubian doe & 1 wether, disbudded, vacc./tattooed, \$200/up. Shelby Johnson, 1371 Terry Ave., Fayetteville, 25840; 469-9395.

Full Boer 2½-yr. reg. buck, good blood/disp., \$400. Patricia Kesner, 758 Rogers Rd., Burlington, 26710; 289-3471.

Nigerian Dwarf, young pet doe, white & gold w/blue eyes, healthy, friendly, \$85. Bob Kirk, P.O. Box 123 Slanesville, 25444; 822-0730.

Bucklings, 1/14, 2, Nubian, 1, Alpine/Nubian, 1, Saanen, multiple colors, \$135/ea./or will trade for other livestock. Isaac Mills, 103 Old Civil War Trail, Renick, 24966; 890-7103.

Pure reg. Kiko bucks, black, vacc./wormed, del. avail., \$485/up; Kiko/Boer 3-yr. buck, proven, easy to handle \$295. Hope O'Toole, 595 Luther Heishman Rd., Baker, 26801; 897-7073; donkey-momhope@gmail.com.

Spanish/Savanna/Boer bucklings, 5, \$250. Linda Seville, HC 71 Box 165, Augusta, 26701; 496-8776.

AGDA reg. Nubian buck, very gentle, bottle fed, comes from a long line of proven milkers, \$300. Debbie Tiburzi, 671 Ivy Run Rd., Troy, 26443; 462-4208.

Billy 6-mo. goats, 2, \$75/ea. Bill Ward, 213 Falling Timber Rd., Palestine, 26160; 275-4746.

HELP WANTS

Farm hand, must be knowledgeable of farm equip. & cattle. Francis Cain, 5945 W. Little Kanawha Hwy., Big Bend, 26136; 354-7812; suewms@frontier-net.net.

General farm maintenance & chores, in eastern Preston Co., 1 or 2 days/wk. Avril Williams, 325 Maple Spring Hwy., Eglon, 26716; 735-6042.

HOG SALES

Hogs \$275/up. Jesse Adkins, 2229 Circle Dr., Milton, 25541; 840-5446.

Tamworth pigs, \$80/ea. John Barbagallo, 3449 Uler Rd., Newton, 26266; 565-4055.

Gloucestershire Old Spots breeding stock piglets, boars & gilts, solid genetics, various colors, \$400-\$450/ea.; Ossabaw Island Hog breeding stock piglets, variety of genetics include 3rd generation off of the Island, pairs/trios avail., \$200-\$250/ea., no chemicals, GMO free! Quincy McMichael, General Delivery, Renick, 24966; 992-2922.

HORSE SALES

Thoroughbreds w/papers, \$1,000/ea. Jesse Adkins, 2229 Circle Dr., Milton, 25541; 840-5446.

Icelandic reg. gelding, \$2,500. Leon Bayliss, Rt. 1, Box 139A, Given, 25245; 372-5411.

Friesian Sport 5-yr. mare, Coggins, shoes, vacc./wormed, micro chipped, DNA tested reg. FOA, 15.2 h, approx. 1,200 lbs., amish trained to drive & ride, \$4,500/obo or trade for AQHA gelding. Carey Eden, Rt. 2, Box 65, Milton, 25541; 543-8170.

Belgian mare, approx. 1,800 lb., green broke,, \$2,500; Haflinger 5-yr. mare, \$1,000, both bred to Belgian stud. Bob Evans, 205 Herb Harsh Rd., Horse Shoe Run, 26716; 735-3121. 25545; 762-2156.

Tenn. Wlkr. mare, bay w/no markings, 15.3 h, now being trail ridden, has excel. papers, \$1,500; other top bred mares, \$1,000/up; stud service, \$150. Bill Harper, 513 Kentuck Rd., Kenna, 25248; 372-4179.

Reg. Mtn. Pleas. mare/2 geldings, natural gait, good conf./disp., \$1,000/up. Sharon Haught, 225 Peacock Lane, Davisville, 26142; 679-2097; goldenrodfarm@hotmail.com.

Jenny, 5, \$300; jack, \$200, all w/cross on back. Jack Jeffrey, 1499 Annamoriah Rd., Creston, 26141; 354-7493.

Belgian mare & gelding draft horses, 10-yr. & 11-yr., broke to all farm machinery, road safe, \$5,000/pr.; Morgan pr., Amish broke to pull buggy, work or ride, \$1,500/ea.; 2-yr. Qtr./Morgan cross mare, \$1,000/obo. Carl Spessert, Rt. 1, Box 216-1, Montrose, 26283; 704-8276.

App. 10-yr. gelding, red roan, 15.2 h, excel. disp., \$200. Susie Spiker, 18227 N. Preston Hwy., Bruceton Mills, 26525; 319-0954.

Miniature donkeys: 10-mo. stud, \$150; 9-mo. jenny, \$200, they are no relation and can be a mating pr., will be approx. 24"-28" tall. George Vance, 52 Nottingham Dr., Petersburg, 26847.

WCMHR Miniatures: 4-yr. stud, \$500; AMHR appy stud, \$600; 2-yr. stud, \$300; mare, \$350. Mary Webb, 735 Rocky Fork Rd., Orlando, 26412; 462-4281; rockyforkfarm@hotmail.com.

PLANT SALES

No medicinal plants, nursery stock, common agricultural seeds unless tested for germination.

Hardneck garlic: Korean Red, Romanian Red, Paw Paw, Turkish Giant, Transylvanian, Asian Tempest, state 1st, 2nd & 3rd choices, \$15/lb., ppd. D. Binion, 575 Smith Rd., Flemington, 26347.

Bean seeds: black, cut short, turkey crow, German, & Chinese red noodle, grows up to 18" long, bright red, rattlesnake, all \$10/100 seed, SASE. Frank Cantrell, P.O. Box 13, Ethel, 25076.

The Texas FFA Association added more students and new chapters than any other state. With 8,533 new members, total FFA membership in the Lone Star state stands at 95,015 in 1,010 chapters. California, with 74,039 members, is the country's second-largest FFA association, followed by Georgia with 35,398 members, Missouri with 25,073 members and Oklahoma with 24,896 members.

Founded in 1928, the National FFA Organization's mission is to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

Although West Virginia isn't in the same league as the country's agricultural powerhouse states, membership is over 5,000 for the first time in many years and programs are active. The Greenbrier East Chapter grew more corn than the local school system could use and wound up selling corn as far away as Lewis County.

FFA operates at the local, state and national level. Students belong to FFA chapters organized at the local high- or middle-school level. Agriculture teachers serve as chapter advisors. Chapters are organized under state FFA associations headed by a state advisor or executive secretary, often an employee of the state's department of education. For more, visit FFA.org.

Acreeage: Mason Co. 32 A., mostly wooded hill-side, utilities avail., \$38,400; hay wagons, 2, 8'x16', \$400/ea.; drainage pipes, carbon steel, 1, 20"x6", \$50; 1, 20"x12", \$75. R. Kinnard, 7516 Huntington Rd., Gallipolis Ferry, 25515; 675-3034.

Eggs, brown, \$2.50/dz. Abner Kinsinger, 3128 Little Stoney Crk. Rd., Ballard, 24918; 466-4840.

Hay, '13, 4x5, \$30/bale; '14, 200 rolls, \$35/bale, horse quality. Robert Lee, HC 60, Box 33, Levels, 25431; 492-5373.

Hay, 4x5 round bales, mixed grass, limed/fert., stored inside, \$45/bale. James Livengood, 3053 Little Sandy Rd., Bruceton Mills, 26525; 379-1026.

Roving: Coopworth, Jacob, Alpaca (natural black only), Coopworth/Alpaca 2-way swirl, natural, dye 2-way swirl (some over-dyes), \$28/lb. - \$46/lb. Debbie Martzall, 2576 Laurel Crk. Rd., Tanner, 26137; 462-8043; heartsofthefield@gmail.com.

Acreeage: 50 A., 5 A. cleared, pond, nut trees, good garden spot, elect., well, woods, \$150,000. Austin McComas, P.O. Box 6, Hico, 25854; 880-6066.

Trailer, '06, enclosed, tandem axle, ramp door, 6' doors, mobile home side door, awning, escape window, black & alum., \$3,750. Todd McKinstry, 8381 Parkersburg Rd., Sandyville, 25275; 767-1228.

Rabbits: Giant & American Chinchilla breeding stock, strong lines, does/bucks, naturally raised on pasture w/no chemicals, \$50/ea. Quincy McMichael, General Delivery, Renick, 24966; 992-2922.

Trailer, Colt, 12' low profile bumper pull, steel, suitable for miniature horses & sheep, excel. cond., stored inside, \$2,800/firm. R. Mellon, 8030 Liverpool Rd., Sandyville, 25275; 273-4920.

Acreeage: Wood Co., 60 A.+/-, utilities are at the rd., \$120,000/owner financing w/5k down & 617.34/month on a 30 yr. Beth Middleton, P.O. Box 4432, Parkersburg, 26104; 488-1134.

Hay, '14 1st cut, sq. bales, 45-50 lbs., never wet, stored inside, \$3.25/bale; \$3/bale/150+. Ken Moran, 16260 Veterans Memorial Hwy., Kingwood, 26537; 288-9499.

Hay, round bales, mixed grass, good access, easy loading, Hazelton area, \$20/bale. Ed Norman, 89 Sisler Rd., Bruceton Mills, 26525; 379-3533; enorman2222@gmail.com.

Hay, round bales, 100, \$15/bale. Douglas Randolph, 23167 Ripley Rd., Leon, 25123; 674-5267.

Lionhead rabbits 5-mo. bucks, 2, \$20/ea. Melissa Reed, 482 Stormy Weather Lane, Philippi, 26416; 457-3459; reedmelissa67@gmail.com.

Hay, sq. bales, excel. quality, never wet, lg. bales, lots of clover, \$3.50/bale/up. Rex Reed, 482 Stormy Weather Lane, Philippi, 26416; 457-3459; rexatpaps@gmail.com.

California rabbits: '14, \$10/ea.; 2-yr. buck, proven, \$10; free, Great Pyrenees, 2, LGDs, runni-

ng w/goats now. Tracy Rine, 1466 Blake Ridge Rd., Glen Easton, 26039; 845-4437; highhillacres@yahoo.com.

Hay, 4x4 round bales, shed kept, \$30/bale; round pin, '14, 12' powdered panels, plus gate, \$1,000. James Robinson, 2374 Sycamore Rd., Clarksburg, 26301; 624-4790.

Hay, 4x4 round bales, \$20/bale; sq. bales, \$3.50/bale, can possibly del., call for del. price. Jed Rollins, 955 Third Run Rd., Harrisville, 26362; 643-5373.

Hay, 4x5 round bales, \$30/bale. Mike Rosier, Rt. 1, Box 49-2, Valley Bend, 26293; 642-4997.

Apples: Staymen & York, \$7- to \$10/bu.; animal feed apples, \$4/bu., bring containers/call appointment. Kenneth Ruggles, HC 60, Box 36, Levels, 25431; 492-5751.

Aust. Shep. pups, \$150-\$200/ea. Rebecca Saylor, 316 WPA Rd., Walker, 26180; 679-3670.

Farm wagon, excel. cond., \$775. G. Seeders, HC 86, Box 49, Fort Ashby, 26719; 298-4337.

Grazing land for lease in '15, Barbour, Harrison, Lewis, Upshur or Taylor Co. terms neg. Kevin Shaffer, 5024 Riverwood Circle, Fairmont, 26554; 669-1598.

Rabbits: 4-mo. California & New Zealand, \$12/ea. T. Skinner, P.O. Box 31 Sand Fork, 26430; 462-5531.

Stock trailers: '96, new tires, \$3,000; '07, Mort, 3-horse slant w/dressing rm., both gooseneck, 16', \$4,000; Corn Pro Tagalong, excel. cond., \$5,000; hay, 4x4 round bales, \$25/ea. Charles Smith, 94 Dogwood Trailles, Napier, 26631; 452-8821.

Int. Harvester cream separator, hand crank, \$200; hay, 4x5 round, stored inside, \$35. Robert Smith, 1586 Beech Run Rd., Albright, 26519; 965-6370.

Stock trailer, Adams gooseneck, heavy duty 20'x7½", 1 cut gate, spare tire, \$10,950. Carl Spesert, RR 1, Box 216-1, Montrose, 26283; 704-8276.

Aust. Shep. 9/14 pups, blue merles, 1 grey merle, others black w/white stripe around neck, tails docked, \$200/ea. Bobby Stover, 207 Crooked Run Rd., Mt. Hope, 25880; 877-3316.

Hay, '14, 3rd cut, sq. bales, limed/fert., excel. quality, \$7/bale; 4x5 round bales, \$40/bale; 4'x54", wrapped, \$45/bale, del. avail. Roger Street, 198 East St., Masontown, 26542; 680-7965.

Saddle, Tucker High Plain, walnut finish, excel. cond., \$1,100. William Suan, 143 Post Farm Rd., Lost Creek, 26385; 622-6223.

Hay, '14, 1st cut, 4x4 round bales, \$30/bale; 2nd cut, sq. bales, \$4/bale, excel. quality, never wet, stored in barn. Matt Thornhill, Rt. 1, Box 31, Montrose, 26283; 637-0988.

Acreeage: Lincoln Co., 12.69 A., 5 A. cleared, surveyed, lg. heavy bridge, close to Hatfield & McCoy Trail, hard top rd., all utilities, located in Ivy Branch, \$59,500. Linda Turley, P.O. Box 298, Alum

USDA Releases New State-by-State "Made in Rural America" Report

USDA Secretary Tom Vilsack announced a new state-by-state "Made in Rural America" report illustrating the impact of USDA investments in rural communities. Each state factsheet highlights specific USDA investments in rural businesses, manufacturing, energy, water and other infrastructure development.

"This report shows what investment in rural America means in real terms for families and businesses across the country," said Vilsack.

"Throughout the Obama Administration, USDA has created employment opportunities in rural America through investments in manufacturing, energy and small businesses. At the same time, we are bringing reliable services like water, housing and broadband to make these same communities attract and retain a talented workforce. This report proves that the entrepreneurial spirit is strong in rural America."

The report's state by state fact sheets are available at www.usda.gov/opportunities.

Creek, 25003; 756-2507.

Acreeage: Randolph Co., 2/10th A., near Shavers Fork River, \$60,000/neg. Joseph Vickers, 1373 Bulger Rd., Aklol, 25501; 524-7302.

Border Collie pups, 3, females & 2, males, \$150/ea. Bill Ward, 213 Timber Rd., Palestine, 26160; 275-4746.

Hay, '13, 5', \$15/bale; '14, 5', \$25/ea., both never wet, easy access. Roger Weese, 105 Jefferson Run Rd., Alma, 26320; 455-5033.

Locust post, 7', \$4/ea.; corner post, \$6, Huntington/Charleston area. Joe Widdifield, Rt. 3, Box 130 Hurricane, 25526; 562-2258.

Acreeage: Barbour Co., 104 A., Barker District bordering Rt. 92, woods, gas well, mineral rights incl., \$300,000. Kim Wilfong, 508 Main St., Parsons, 26287; 642-9500.

Saddle, Tex-Tan, Western show, excel. cond., lots of silver, breast strap, bridle, \$800. Mary Wine, 3379 Marquess Rd., Tunnelton, 26444; 892-3208.

Christmas trees: choose & cut trees at Craigs-ville, White Pine, Scotch Pine, Norway Spruce, Blue Spruce & Canaan Fir, pines, \$4/foot; spruce & firs, \$5/foot. Art Yagel, P.O. Box 638, Summersville, 26651; 575-2787.

Hand spinning fleece, raw, white & natural colors, Shetland, Border Leicester, Horned Dorset/Shetland, \$10/lb./+/- Linda Zinn, 2162 Skelton Run, Wallace, 26448; 782-3704.

MISCELLANEOUS WANTS

Collie pup, female, sable. L. Fast, 8 Fast Lane, Fairmont, 26554; 282-1210.

Monthly Meeting

2nd Tuesday, 7:00 p.m.
WV Extension Service Fruit
Research Center
Kearneysville, W.Va.
Contact Bob Speelman
wvbeeman2@gmail.com.

WV Christmas Tree Growers Assoc.

Winter Meeting
Feb. 28,
Days Hotel
Flatwoods, W.Va.
Contact Art Yagel, 575-2787.

THE MARKET BULLETIN

West Virginia Department of Agriculture
Walt Helmick, Commissioner
1900 Kanawha Blvd., E.
Charleston, WV 25305-0170
November 2014
Return Service Requested

Nonprofit Organization
U.S. Postage Paid
Permit 80
Charleston, WV 25301

Grant Funding, cont. from page 3

12. "West Virginia Department of Agriculture Specialty Crop Producer Education 2014-2015" – West Virginia Department of Agriculture on behalf of state specialty crop growers, \$51,500, statewide. This project continues several ongoing programs and introduces new trainings to provide West Virginia specialty crop producers with the most recent training and business development to increase their production and footprint on the state's economy. Courses and programs include GHP/ GAP training (8 hour introductory course), FSI: Food Safety Investigation curriculum (for high school agriculture instructors), Recall/HACCP training, a new Food Safety Plan Writing workshop, support of the specialty crop segment of the new agritourism course, Better Process Control School (BPCS), and MarketReady™ curriculums available to agriculture and agriculture service providers throughout the state.

13. "West Virginia Veterans to Agriculture Honey Production Project" – West Virginia Veterans to Agriculture Program, \$15,000, statewide. Agriculture and agribusiness enterprises have become popular activities for veterans re-entering the

workforce after their service commitment. The West Virginia Veterans to Agriculture Program has been created to address the needs of these farmers and boosts more than 100 active participants throughout the state. To meet the demand for local honey and interest generated by veterans in this enterprise, the project will train, provide basic processing resources and increase participation in beekeeping throughout the state.

14. "Wildflowers for Honeybees" – West Central Beekeepers Association with the Calhoun County Commission, \$3,100, Calhoun County. West Central Beekeepers Association (WCBA) is made up of beekeepers from Calhoun, Roane, and surrounding counties in West Virginia. The project will seek to increase and stabilize the honey bee population in their geographical area in an effort to produce more honey for sale and local crop pollination. This will include the introduction of Honey Bee Wildflower Seed Mix to be sown as an additional food source to expand the number of honey bees and help stabilize their environment by providing appropriate food sources, enabling them to survive.