

THE MARKET BULLETIN

“TELLING THE STORY OF WEST VIRGINIA AGRICULTURE”

KENT A. LEONHARDT, COMMISSIONER

www.agriculture.wv.gov

JOSEPH L. HATTON, DEPUTY COMMISSIONER

February 2019

You may not recognize the name Crook Brothers, but chances are you've eaten a meal that's come from their warehouse. Ken and Keith Crook have built a business based on supply and demand.

“We're marketers and distributors,” explained Keith. “We don't grow anything. We work with farmers and producers. We're aggregators in a sense. We take the product from the source to the table.”

It all started 29 years ago in Raleigh County.

“Our origins and beginnings started with working out an arrangement with the West Virginia Department of Agriculture to take over the Beckley Farmers Market facility,” said Ken. “That was in the spring of 1990. We wanted to reinvigorate the demand for buying local.”

The brothers started building partnerships with local restaurants. They would source fresh, local food from farmers and deliver it right to the door of the kitchen.

“Nowadays, everybody talks about farm to table; those are the buzz words in the restaurant industry,” said Keith. “But that's what got us started in the 90's, before it was cool.”

Ken said they source food from farmers who don't want to worry about the distribution end of the business.

“It's one thing to grow a tomato but sometimes the biggest cost is getting that tomato from location A to location B,” stressed Ken. “We've worked hard over the years. We've developed the infrastructure, the distribution radius, and we've developed the relationships with the end users to such an extent that we can take that burden off the grower and let him focus on his passion -- growing. We can help him get that product from location to location and get into the hands of the consumer, the restaurants, the schools and take the burden of that cost of distribution away from them.”

Crook Brothers now has the distinction of being one of the leaders in produce distribution in the Mid-Atlantic. As the company grew, so did the demand for more and more produce; so much so, they had to look outside West Virginia to fill their orders, explained Ryan Crook, Ken's son.

“A small farmer simply can't supply us with all the produce we need. We would much rather buy blueberries from Charleston versus California or wherever that next batch is coming from, but you've got to have a producer and that producer has to have a certain standard for



CROOK BROTHERS DELIVER



Two generations of Crook Brothers now run the business. Pictured: Cameron, Ken, Ryan and Keith Crook.

food safety that we have to adhere to as well,” said Ryan. “So, as much as we'd like to work closely with people in our backyard, it's not to the point right now where they're growing enough produce to sustain our needs.”

Currently, Crook Brothers sources about 92 percent of their food from states such as California, Florida, Texas, Arizona, Idaho and Oregon. They average a quarter million cases of produce moving through their warehouses each month and employ about 100 people. Those cases contain everything from lettuce to strawberries, tomatoes to potatoes, foods that can't be found in large quantities in West

Virginia. However, Ryan stresses the company has not forgotten its roots or local farmers.

“We use some of the biggest growers in the country for some items. Then we also use small growers, like Micro Genesis in Morgantown, that might just sell 20 to 30 packages of microgreens a week,” explained Ryan. “It's been really great working with local companies like Micro Genesis where the product can be picked and delivered in the same day, we're able to increase the shelf life of that product.”

Crook Brothers is also working with West Virginia producers like Sprouting Farms, Preston County Growers Co-op, Gritts Farm and Refresh Appalachia, who use high tunnels and greenhouses to extend the growing season.

“It's always been a challenge in this region – having enough local growers and farmers. However, I've seen a shift in the matter of the last three years in the number of local producers expanding what they have to offer.”

Last year, Crook Brothers bid on and won a \$42 million contract with the Department of Defense (DoD) to provide food to the West Virginia National Guard and U.S. Department of Agriculture Schools. It's a huge contract.

“One of the goals we have with this contract is that we source as much in-state produce as possible,” said Ryan.

They've kept that promise.

“We took great pleasure in the fact that we provided all the schools in West Virginia, for the very first time under the DOD arrangement, with fresh West Virginia peaches and fresh West Virginia nectarines,” said Ken. “We've also marketed and sold well over a quarter of a million bushels of locally grown apples just to the West Virginia School System.”

Recently, the brothers had the opportunity to visit a Nicholas County school and watch the kids chow down on that WV-grown fruit. It's something they take

great pride in and something they hope to see more of.

“We're ambitious about growing the West Virginia agriculture industry. We're encouraged by what we see,” said Ryan. “I'd like farmers to think a little bit bigger, to understand they do have access to restaurants and institutional markets through distributors like us. We can help get their products to market.”

With more and more consumers buying local, the Crook Brothers hope to fill those orders with as much West Virginia produce as possible.

Kent's Reflections — Next Steps for West Virginia Industrial Hemp

It's undeniable that West Virginia frequently lags behind the rest of the country when it comes to new ideas and innovative solutions. From healthy initiatives to education, West Virginia all too often scores low marks.

One agricultural initiative that West Virginia has been way ahead on is the development of industrial hemp. In 2002, the West Virginia Legislature tasked the West Virginia Department of Agriculture with setting up a program to support industrial hemp research. This program sat dormant until Congress, through the 2014 Farm Bill, allowed industrial hemp research pilot projects to be established under state departments of agriculture. West Virginia again showed foresight in 2017 when the Legislature expanded that pilot project to allow cultivation of industrial hemp for commercial purposes. Almost two years later, Washington D.C. followed suit and legalized hemp on a national scale through the 2018 Farm Bill.

When President Donald Trump signed the new Farm Bill, industrial hemp was separated from its cannabis cousin, marijuana, and therefore removed from the list of scheduled drugs. Now farmers can grow hemp like any other cash crop, transport it across state lines and use the plant in the processing of numerous products. The United States Department of Agriculture will, over the

next several months, promulgate rules and regulations. From there, the public will have its say, and the agency will adjust. Once those rules are finalized, West Virginia will submit its plan to manage the state program, based on requirements laid out by the USDA. This process is no different for the numerous other programs the WVDA works in cooperation with USDA.

In the meantime, the WVDA and West Virginia's industrial hemp program will be in a transition period. We will continue to operate under the current rules and regulations until the USDA establishes its new framework. The WVDA will work with our farmers to understand these changes as they come down from the federal government. Our goal is to ensure a smooth transition through an "educate before regulate" mentality. We want to grow this industry, not hinder it. It is clear our representatives in Washington support a robust industrial hemp industry in the United States, and they have entrusted state departments of agriculture to carry out their intentions.

What we can say for sure is there's a lot of excitement around growing industrial hemp. The WVDA has seen a 300 percent increase in applications for the 2019 growing season. Our challenge will be to match this excitement with the resources for proper management. As of right now, the WVDA receives no state

or federal support to manage the program. We lag behind states like Kentucky, which will collect upwards of \$500,000 in fees to support four full-time employees. While we work with the Legislature to find ways to bring in more resources, we know we cannot operate this program on the \$9,000 in fees we collect.

We have numerous challenges ahead, but if we work together, West Virginia can tap into this new market. We need support from Governor Jim Justice and our West Virginia Legislature as we work through this process. We need to work with law enforcement to ensure illegal drugs are not being grown alongside legal crops. Farmers will have to understand how to comply with laws while formulating best practices. As the regulatory agency, the WVDA will need to provide more support to our farmers in the early years, as this industry gets off the ground.

My staff and I stand ready to help our farmers take advantage of this new agricultural frontier. Our promise to them is we will work with our federal partners and the Legislature on this and other projects to bring economic diversity to the state. Failure is not an option. We must succeed or continue to fall behind.

Semper Fi,



PROPER MANURE APPLICATION FOR THE PRODUCE SAFETY RULE

When we talk about untreated biological soil amendments of animal origin (BSAAOs), we're essentially talking about raw manure. There are other substances that fall into this category, such as bone and fish meal, but in the main BSAAO that needs to be addressed in the late winter is raw manure from cattle, chickens, horses and other farm animals.

There are a number of reasons why growers may use raw manure. They see it as an effective way to provide nitrogen and other nutrients to the soil and maintain soil quality and health for their upcoming fruit and vegetable production. There's a cost factor, too, since it's readily available at a lower cost. A produce grower, for example, may use manure provided by a neighboring dairy farm. Some small farms may lack the infrastructure to compost properly, leading them to use applications of raw manure. As a practical matter, farms that raise livestock need to dispose of manure in a safe and environmentally sound way and using it as fertilizer or sharing it with a neighbor may be viewed as one way to do that.

The FDA is planning to conduct a risk assessment to determine how much consumer health is put at risk by the use of raw manure as fertilizer in growing crops covered by the Produce Safety rule, and what can be done to help prevent people from microbial exposure and getting sick.

In the meantime, FDA has placed restrictions on how raw manure is applied. The final

Produce Safety rule requires that covered farms not apply raw manure in a manner that contacts produce covered by the rule during application, and these farms are required to minimize the potential for contact after application. To minimize the chance of contamination, FDA also stated that they believe it would be prudent for farmers to comply with the USDA's National Organic Program standards related to raw manure use while the research and risk assessment is ongoing. These call for a 120-day interval between the application of raw manure for crops in contact with the soil and 90 days for crops not in contact with the soil. The West Virginia Farm Food Safety Training Team comprised of the West Virginia Department of Agriculture, West Virginia University Extension and West Virginia State University strongly encourage producers to apply their raw manure in the fall and utilize cover crops to retain nutrients throughout the winter season. However, this has been an especially difficult year in the Mountain State to get on the fields and apply manure and plant cover crops. It's still not too late to spread manure and stay within the produce safety guidelines if you make an application plan, coordinate it with your 2019 production plan and document your BSAAO applications.

Looking for more information?
<https://www.fda.gov/downloads/Food/GuidanceRegulation/FSMA/UCM614282.pdf>

UPCOMING TRAINING:

February 13-14, 2019

**Better Process Control School (BPCS)
 West Virginia Small Farm Conference**

Federal requirements state that operators of retorts, processing systems, aseptic processing and packaging systems, and container closure inspectors be under the operating supervision of someone who has successfully completed a course of instruction in these matters. Better Process Control School (BPCS) is a course that has been approved by the Food and Drug Administration as well as the United States Department of Agriculture for processors of acidified and low acid canned foods. Source: <http://foodscience.tennessee.edu/betterprocesscontrolschool/>

February 13, 2019

**Produce Safety Alliance (PSA)-
 Grower Training**

West Virginia Small Farm Conference

Fruit and vegetable growers and others interested in learning about produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety. The PSA Grower Training Course is one way to satisfy the FSMA Produce Safety Rule requirement outlined in § 112.22(c) that requires "At least one supervisor or responsible party for your farm must have successfully completed food safety training at least

—Produce Safety Rule continued on page 7



BERKELEY

- SISTER SUE'S HOMEMADE JAMS AND JELLIES
- TAYLOR'S FARM MARKET
- COX FAMILY WINERY
- MOUNTAINEER BRAND

BRAXTON

- MARY'S K9 BAKERY

BROOKE

- FAMILY ROOTS FARM
- BETHANY COLLEGE APIARY

CABELL

- ORDINARY EVELYN'S
- DOWN HOME SALADS

CLAY

- APPALACHIAN APICULTURE
- LEGACY FOODS

FAYETTE

- BUTCHER'S APIARY
- UP THE CREEK LLC

GREENBRIER

- SLOPING ACRES
- TL FRUITS AND VEGETABLES

HAMPSHIRE

- KISMET ACRE FARMS

HARDY

- BUENA VISTA FARM

HARRISON

- RIMFIRE APIARY

JACKSON

- MADDOX HOLLOW TREASURES
- OUT OF THIS WORLD SALSA
- SASSY GALS GOURMET TREATS

KANAWHA

- HAMILTON FARMS

LEWIS

- LONE HICKORY FARM
- SMOKE CAMP CRAFT

LINCOLN

- WILKERSON CHRISTMAS TREE FARM
- SIMPLY HICKORY

MARION

- HOLCOMB'S HONEY
- ROZY'S PEPPERS IN SAUCE

MINERAL

- INDIAN WATER MAPLE COMPANY

MONONGALIA

- THE KITCHEN

MONROE

- SPANGLER'S FAMILY FARM

MORGAN

- GLASCOCK'S PRODUCE
- MOCK'S GREENHOUSE AND FARM

NICHOLAS

- KIRKWOOD WINERY
- WOODBINE JAMS AND JELLIES

OHIO

- THE BLENDED HOMESTEAD
- WINDSWEEP FARM

PENDLETON

- M & S MAPLE FARM
- COOL HOLLOW MAPLE FARM

POCAHONTAS

- BRIGHTSIDE ACRES

PRESTON

- MOUNTAINDALE APIARIES
- ME & MY BEES
- RIFFLE FARMS
- VALLEY FARM INC.

PUTNAM

- TASTE OF COUNTRY CANDLES

RALEIGH

- BAILEY BEES
- THE FARM ON PAINT CREEK
- DANIEL VINEYARDS

RANDOLPH

- THE BRYER PATCH

RITCHIE

- TURTLE RUN FARM

ROANE

- CHRISTIAN FARM

TYLER

- CREEKSIDE FARMS

UPSHUR

- MOUNTAIN ROASTER COFFEE

WAYNE

- ELMCREST FARM
- STILTNER'S APIARIES

WETZEL

- THISTLEDEW FARM

WIRT

- STONE ROAD VINEYARD

WOOD

- IN A JAM!
- STOMP-N-GROUNDS CRAFT COFFEE

West Virginia Grown membership list processed as of 1/10/19.

JOIN WEST VIRGINIA GROWN TODAY!

Email wvgrown@wvda.us or on our website at agriculture.wv.gov.



SISTER SUE'S

WHO: Pamela and Scott Cruse

WHAT: Jams, jellies, butters

WHERE: Martinsburg

CONTACT INFO: (304) 350-1690, www.facebook.com/sistrsues, Tamarack

"I'm a diabetic and we make our products so other diabetics can enjoy them. People don't realize they're low in sugar. People say "No way" when they taste our jams and jellies. We use far less sugar and put more fruit in."



ROZY'S PEPPERS

WHO: Rosa and Lonnie Crites

WHAT: Sweet, mild and hot peppers

WHERE: Fairmont

CONTACT INFO: rozyspeppers.com, Tamarack

"The sweet peppers, that's my grandmother's recipe. I've been canning peppers for 35 years. It's the recipe my mom made and my grandmother made. When people open a jar of my peppers, I want them to feel like they're at their grandmother's house. I want folks to feel like they're in a warm kitchen, just like home."



SASSY GALS GOURMET TREATS

WHO: Ginger Harmon

WHAT: Roasted nuts, slush mix and dry dip mixes

WHERE: Ripley

CONTACT INFO: www.facebook.com/Sassy-Gals-Gourmet-Treats/1401648656766917/, Tamarack

"We think our products are absolutely delicious. What I love seeing is when folks try one of our pecans for the first time and really taste it, you can see the smile spread across their face. One of the best compliments any small business owner can get is a repeat customer!"

Mouthwatering Maple

In honor of WV Maple Days (February 23 and March 16), we're serving up three recipes using pure WV maple syrup. You may be tempted to use generic or store-bought syrup, but resist. WV maple producers use only one ingredient in their syrup and that is sweet water that runs directly from the maple tree. Check the label to see how many ingredients are in that store-bought brand. You can find pure WV maple syrup at places like Capitol Market, Tamarack, farmers markets and online. Before you bake, make sure you're using the real thing! Have a recipe you'd like to share with us? Send it to: marketbulletin@wvda.us

Maple Sweet Potato Pie

| | |
|--------------------------------|-----------------------------------|
| 1 cup flour | 1 can (5.5 ounce) evaporated milk |
| 1/4 cup cornmeal | 3 eggs |
| 3/4 teaspoon salt | 1/4 margarine, melted |
| 1/3 cup shortening | 1 teaspoon vanilla |
| 1 1/2 cups cooked sweet potato | 1 teaspoon cinnamon |
| 1/4 cup cold water | 1/4 teaspoon nutmeg |
| 3/4 West Virginia maple syrup | 1/4 teaspoon ginger |

For crust: Heat oven to 450 degrees. In medium bowl, combine flour, cornmeal and 1/4 teaspoon salt. Cut in shortening until mixture forms a ball. On lightly floured surface, roll out pastry to form 13-inch circle. Fit loosely into 9-inch pie plate, trim. Turn edges under; flute. Line pastry with foil; fill with dry beans. Bake 5 minutes. Remove beans and foil; continue baking about 5 minutes. Remove from oven.

For filling: Reduce heat to 350 degrees. In a large bowl, combine sweet potatoes, syrup, milk, eggs, margarine, vanilla, cinnamon, salt, nutmeg and ginger. Mix until smooth. Place partly baked pie shell on oven rack; pour in filling. Bake about 50 minutes or until knife inserted in center comes out clean. Garnish with orange slice.

Maple Johnny Cakes

| | |
|---------------------------|-----------------------------------|
| 1 1/3 cups flour | 2 eggs |
| 2/3 cup corn meal | 1/3 cup West Virginia maple syrup |
| 3 teaspoons baking powder | 2/3 cup milk |
| 1/2 teaspoon salt | 1/2 cup melted shortening |

Sift flour, corn meal, baking powder and salt together. Beat eggs. Add milk and maple syrup. Add dry ingredients, then melted shortening.

Bake in greased pan (12 muffins) at 425 degrees for 20-30 minutes.



Apple Maple Stuffing

- 1 stalk celery, chopped
- 1 medium onion
- 6 tablespoons butter or margarine
- 3 apples, chopped
- 1/4 cup West Virginia maple syrup
- 3/4 water
- 4 cups herb-seasoned stuffing mix

Simmer celery and onion in 4 tablespoons butter for 2 minutes. Add apples and remaining 2 tablespoons butter and simmer another 2 minutes. Add syrup and water and bring to a boil. Measure 4 cups stuffing mix into large bowl. Add hot mixture, stirring well. Enough for 6-10 pound bird. Great for crown roast of pork or goose.

Winter Blues Farmers' Market returning to Charleston February 16th

Dozens of specialty crop producers, meat merchants and cottage food producers will bring their wares to the Capitol City Saturday, Feb. 16 from 1-5 p.m., for the annual Winter Blues Farmers Market.

The market will be held at the Charleston Coliseum and Convention Center in conjunction with the West Virginia Small Farm Conference. Shoppers can expect to find fresh West Virginia produce, thanks to a growing number of farmers who use season-extending technology such as high tunnels and greenhouses.

A wide variety of fresh and preserved items will be available, including meat, baked goods, honey and bath and body products.



Although the conference is for paid participants only, the farmers' market is open to the public and admission is free.

More details will be posted on social media as they become available. www.facebook.com/events/10847765483 15971 <https://extension.wvu.edu/conferences/small-farm-conference>

For more information, contact (304) 558-2210 or businessdevelopment@wvda.us.

Multiple attractions highlight of 2019 Mountain State Maple Days

Mountain State Maple Days activities will "cluster" neighboring maple syrup operations in 2019, each of which will offer its own unique foods or activities. Past Maple Days have been deemed great successes, despite rotten weather at some locations. However, organizers believe the new plan will draw more people to more locations.

For example, three Lincoln County producers will be grouped in the "Metro Valley Maple Cluster." One producer will have maple cotton candy, one will have pancakes, waffles and barbecue, and a third will demonstrate three methods of gathering sap. Since they're all within 15 minutes of each other, the public can visit all three.

Other areas of the state will also have various maple-related attractions, plus special lodging and restaurant deals. Two dates are circled for this year's Maple Days – Feb. 23 and March 16. Fourteen maple producers, plus several hotels and restaurants throughout the state are already on board, and more details will be coming soon. Keep an eye on www.facebook.com/wvmaplesyrup for more information.

WVDA PLANNING COORDINATORS REACH OUT ACROSS THE STATE

Have you ever called somewhere with a question, but have trouble finding the right person or get stuck talking to a recording? That can be frustrating, especially if you need a quick answer. That’s one reason the West Virginia Department of Agriculture (WVDA) decided to create the position of Planning Coordinator.

“I’m the boots on the ground, if you will,” said Lacy Davidson.

Davidson is one of three planning coordinators with the Business Development Division at the WVDA. She focuses on the southwest part of the state. Kacey Gantzer is the planning coordinator for the northern part of West Virginia and Nathan Bergdoll covers the eastern region.

“In order for Agriculture to be the growing economy we want it to be, people have to have the capacity to grow and the ability to sell it,” Davidson went on to say.

Davidson, Gantzer and Bergdoll’s role is helping producers succeed. That could be a growing plan, getting products into the right market, networking or anything else a producer might need.

“I was a producer myself,” said Gantzer. “People sometimes think of the department as just a regulatory entity, but I’m here to show we can help them across the board in all different types of farming.”

The planning coordinators live in the areas they serve. They know what resources are available in that region, and they also have a direct line to the WVDA.

“We are a jack of all trades,” Gantzer said. “We can help them source materials all the way to selling their products.”

That includes, but is not limited to, marketing and production planning. Gantzer said she works with several high tunnel producers to extend their seasons and markets. All three coordinators said that is the most exciting part of their job, helping producers grow their brand.

“I love being on the ground level,” Bergdoll said. “Producers are able to do just that, produce. Instead of them worrying about this and that, they can just focus on growing.”

Networking is another important aspect of the job. If new producers are looking to start a business in West Virginia, coordinators can put them in touch with people who have already had success in that area.

“West Virginia is a great agricultural state. You can grow a number of different things here,” Bergdoll said. “If someone is interested in growing something they never have before, I can put them in touch with other farmers who are already growing that crop.”

Davidson and the other two coordinators hope their marketing and farming expertise will help all producers in their region grow their operation as much as possible and potentially get new producers up and running.

“Before this position was created, I don’t think there was a lot of regional focus,” Davidson said. “The WVDA headquarters are in Charleston, so some of the folks further away didn’t always have a connection. This position gives producers a direct voice to the WVDA.”



LACY DAVIDSON
(304) 558-2210, ldavidson@wvda.us
(Southern Region)



NATHAN BERGDOLL
(304) 538-2397, nbergdoll@wvda.us
(Eastern Region)



KACEY GANTZER
(304) 546-9176, kgantzer@wvda.us
(Northern Region)



Tips from **THE VET**

Q. How can I protect my backyard flock from VND?

The current outbreak of Virulent New Castle Disease (VND) in California exhibition birds is a reminder to all backyard poultry producers in West Virginia to establish or update current biosecurity practices. The current outbreak has been ongoing since May 2018 in exhibition birds. In December 2018, VND was confirmed in a commercial poultry flock. VND is a highly contagious, fatal viral disease of all species of birds. The virus is so virulent that sudden death can occur without any clinical signs. In addition to high mortality, other signs and symptoms include: sneezing; gasping for air; nasal discharge; coughing; greenish, watery diarrhea; decreased activity; tremors; drooping wings; twisting of the head and neck; circling; complete stiffness and swelling around the eyes and neck. The clinical signs of VND are indistinguishable from Highly Pathogenic Avian Influenza (HPAI), another highly contagious, fatal viral disease of birds.

Simple biosecurity practices such as good hand washing, disinfecting boots and equipment

and establishing 21-day on-farm quarantines of new birds, will help to protect backyard flocks from infectious diseases. Purchasing birds from reliable sources such as National Poultry Improvement Plan (NPIP) participants is strongly encouraged. To learn more about the NPIP, visit <http://www.poultryimprovement.org>. For more information about becoming a NPIP participant, contact WVDA at 304-538-2397.

In addition, USDA APHIS launched the Defend the Flock program in November to provide the necessary tools and resources for all poultry producers to keep their birds healthy and to reduce the risk of spreading infectious disease to other flocks. More information can be found at <https://www.aphis.usda.gov/aphis/ourfocus/animalhealth/animal-disease-information> by selecting avian and following the links to the USDA APHIS Defend the Flock Program Resource Center website for a variety of educational materials. Visit <http://poultrybiosecurity.org> for another informative resource concerning biosecurity.

The commercial poultry industry is West Virginia’s largest agricultural commodity and is vitally important to West Virginia’s economy. Backyard producers play a key role in protecting the commercial poultry industry in West Virginia by voluntarily becoming NPIP participants and implementing good biosecurity practices. Backyard producers with sick birds or unexplained deaths in their flocks, should call the WVDA Animal Health Division at 304-558-2214 or 304-538-2397.



CLASSIFIED ANNOUNCEMENTS February 2019

To Submit
an Ad: ▶

Phone: 304-558-2225
Fax: 304-558-3131
Email: marketbulletin@wvda.us
Mail: 1900 Kanawha Boulevard, E.
Charleston, WV 25305

AD DEADLINES

March 2019 . . .

Phone-In ads for the March issue must be received by **12 noon on Thursday, February 14.**

Written ads for the March issue must be received by **1 p.m. on Friday, February 15.**

April 2019 . . .

Phone-In ads for the April issue must be received by **12 noon on Thursday, March 14.**

Written ads for the April issue must be received by **1 p.m. on Friday, March 15.**

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

Apiary Sales

Bees, 3 lb. package: Saskatraz, \$165; Russians, \$120; Italians, \$115; must be preordered/prepaid. Stephanie Bender, 119 3rd St., Elkins, 26241; 637-2335.

Italian bee package: 3 lb. w/ marked queens, \$130; 4 lb., w/ marked Italian queens, \$150; April 13th del., add 6% WV sales tax. Ellie Conlon, 7901 Proctor Crk. Rd., Proctor, 26055; 455-1728; info@thistledewfarm.com.

Cattle Sales

Reg. Simmental & Sim/Angus, bulls, AI sires, Steel Force, W/C Widetrack, W/C Tribute & Welsh's Do it Right, \$1,800/up. Jim Bosley, P.O. Box 5, Old Fieds, 2684; 530-6636.

Reg. Hereford 11-mo. -12-mo. bulls, Revolution 4 R, Juice Box, Worldwide, Legend 242, Shyenne, Tank 45P & Red Bull blood, \$1,500/up. Ron Brand, 794 Sugar Grove Rd., Morgantown, 26501; 983-8004.

Guernsey/Jersey, 20-mo. mix heifer, looks Guernsey, good disp., \$900. Ronald Drake, 5757 Gem Rd., Heaters, 26627; 853-2481.

Reg. Black Angus 1-yr. -3-yr. bulls, Objective blood, excel. disp., calving ease, low birth wts., great wnlg./yrlg. wts., \$1,500/up. Dave Fierbaugh, 881 Cadbury Lane, Charleston, 25312; 984-1566.

Reg. Black Angus, Sim Angus, Balancer, sired by All-In, Complete, 100X, Game On, Total, Prophet, War Party: bulls, \$2,000; heifers, \$1,500. John Hedrick, 4048 War Ridge Rd., Wayside, 24985; 573-5991; BJHPV-Farm@aol.com.

Reg. Hereford 11-mo.: bulls, Revolution & 8Y blood; heifers, Revolution, About Time, Worldwide & Durango blood, both \$1,000/ea. Billy Lambert, 686 Post Hill Rd., Flemington, 26347; 203-5345.

Pure Longhorn 8-mo. -1-yr. calves, heifers & bulls, no papers, \$375/ea. J. Mace, 270 Broken Wheel Ranch Rd., Maysville, 26833; 703-5145.

Reg. Black Angus: 1-yr. & 2-yr. bulls, Sav Pioneer or Hoover Dam blood, low birth wt., \$1,500/up; cows, various ages, \$1,200, all good genetics/disp./milk. Melville Moyers, 11779 US Hwy. 33 W., Normantown, 25267; 354-7622.

Reg. Black Angus 18-mo. & older bulls, \$2,000/up. John O'Dell, 3442 Amma Rd., Amma, 25005; 565-9851; jfodell@frontiernet.net.

Reg. Black Angus bulls, sired by Frontman & KCF Bennett Southside, EPDs avail., easy calving, excel. disp., \$1,600/up. Mark Robinson, 213 Willow Crk. Rd., Sutton, 26601; 678-7302.

Reg. Polled Hereford yrlg.: bulls, below average EPD for birth wt., \$1,800/up; heifers, are sold open, \$1,500/up, all vacc. complete & ready for sping breeding. Ken Scott, 2586 Grandview Rd., Beaver, 25813; 763-4929; chance37@suddenlink.net.

Reg. Black Gelbvieh & Balancer bulls, good disp./milk & EPDs, \$1,500/up. Roger Simmons, 309 Coakley Ridge Rd., Harrisville, 26362; 628-3618.

Reg. Angus, 18-mo., low birth wt. good

disp.: bulls, Homestead & Hoover Dam blood, \$2,000/up; heifers, bred to Homestead sired bull, \$1,200/up. Rod Summers, 98 Meadland Rd., Flemington, 26347; 842-7958; summers-bunch@aol.com.

Reg. Black Angus 15-mo. -17-mo. bulls, sired by KCF Fortress & Rito 2G84, calving ease genetics, easy handling, excel. disp./EPDs, bulls, \$1,400/up, wintering options avail. J. Taylor, 875 Jim Kennedy Rd., Fairmont, 26554; 363-5757.

Angus bulls, \$1,300. Dale Thayer, 257 Poplar Ridge Rd., Sutton, 26601; 765-5712.

Reg. Charolais bulls, \$1,500/up. Timothy VanReenen, 758 Denmar Rd., Hillsboro, 24946; 653-4897.

Reg. Hereford 10-mo. -11-mo. bulls, Tank 45P & Feltons blood, excel. disp., \$1,000/up. Vern Wengerd, 5503 Zenith Rd., Union, 24983; 772-4633.

Pure Scottish Highland 5-yr. bred cows, 3, \$900/ea./neg. Norman Young, 1282 Pumpkin Vine Rd., Buffalo, 25033; 937-3246.

Equipment Sales

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

Gravelly tractor, 8 hp, recent engine rebuild, new battery w/snow blade, tiller, mower, sulky, excel. cond., \$1,300. Vernon Adkins, 5501 Rt. 152, Huntington, 25535; 529-6736

Kiote, DK40SE, 4 WD, approx. 125 hrs., 12x12 trans w/shuttle shift & e/w KL-401 loader, 72" bucket w/tooth bar, many dealer installed options, garage, kept, excel. cond., \$19,750/obo. Ken Brazzerol, 2416 Wahoo Rd., Mt. Nebo, 26679; 846-9228.

Ford, 600, 4-speed, 12v, rough, runs good w/5' bush hog, \$2,250/obo. James Burks, 1965 Broyles Cemetery Rd., Ballard, 753-9225.

Chrome, 4x5, round baler, \$4,000; JD, 7', disc mower, \$6,000. Steve Call, 620 Bruce Rd., Mt. Nebo, 26679; 872-4011.

Pig pole, 2, potato plows & a pipe rack, the measurements are 7'8 1/2" long & 5'6" wide, \$70/all. Phil Click, Jr., 5494 Chestnut Ridge Rd., Mt. Alto, 25264; 895-3534

Horse drawn: turning plow, \$300; sled, \$150; manure fork, 3-pt. hitch, \$150. Aubrey Erwin, 496 Erwin Rd., Winfield, 25213; 562-9619.

Kubota, '16, M7060, 4 WD tractor w/loader, 400 hrs., \$36,000; NH, 273, short tongue, sq. baler, excel. cond., \$2,100. Bernard Foster, 8375 Gay Rd., Gay, 25244; 681-358-8460.

JD, 1025R, tractor w/loader & backhoe attachment, 36.9 hrs., diesel, 25 hp, hyd. static dr., garage kept, does not include belly mower, excell. cond., \$17,000/firm/no trades. Charles Hicks, 159 Cranby Circle, Beaver, 25813; 575-9594; charleslee@outlook.com.

NH, 256, side del., hay rake, shed kept, excel. cond., \$4,000. Max High, 8508 Patterson Crk. Rd., Laymansville, 26731; 749-8145.

NH, 634, 4x4, belt baler w/elec. tie, \$7,500. Jack Kaluk, 819 Sunset View Rd., Peterstown, 24963; 887-3961.

Hay rake, \$250. Gary McCallister, #1 Squire Valley Rd., Barboursville, 25504; 360-0355.

JD, 24', hay elevator, excel. cond., \$500. Robin Rhodes, 2376 Campground Rd., Tunnelton, 26444; 568-2648.

JD, 46" grader blade w/chains for JD mower, excel. cond., \$250; Earthquake, 2 man gas post hole digger w/18" auger, \$250; Cub Cadet, rear tine tiller, w/Honda engine, \$750, more equip. Elza Thomasson, II, 2744 Benedict Rd., Culloden, 25510; 743-9402.

Ferguson 3 bottom plow; brush hog, 7', disc harrow w/counter wt., both good cond., stored off the ground, primed during the off season; Woods, R-105, Razorback, 5', HD brush mower, \$1,000/all. Jim Webber, P.O. Box 14, Sandstone, 25985; 573-5819.

Bush Hog, 306, 6', 3-pt. hitch w/stump jumper, \$1,000; Ford Dearborn, 14", 2 row, turn plow w/coulters & jointers, \$100; Ferguson, 6', 3-pt. hitch, adjustable disk, \$550. Mark Wilmoth, 2376 Hastings Run Rd., Mt. Clare, 26408; 623-6112; mark@mywilmoth.com.

Equipment Wants

Apiary Events



Barbour Co. Beekeepers Assoc., Monthly Meeting

4th Thursday, 7 p.m., Barbour Co. Fairgrounds, Quonset Hut, Beligton, W.Va.
Contact Ben Fancher, benfancher@gmail.com.

Clay Co. Beekeepers Assoc., Monthly Meeting

2nd Monday of Month, 6 p.m.
Big Otter Comm. Bldg., Big Otter, WV
mconley@cnpapers.com.

Monogalia Co. Beekeepers Assoc., Monthly Meeting

1st Tuesday, 7 p.m.-9 p.m., WVU Co. Ext. Office
Westover, W.Va., Contact Debbie Martin, 367-9488; debbbee7@yahoo.com.

Monogalia Co. Beekeepers Assoc., Beginner Beekeeping Class

Feb. 23-March 2 & 9, 10 a.m.-2p.m., must complete all 3 classes, Westover WVU Ext. Office, Westover, W.Va., Contact Debbie Martin, 367-9488; debbbee7@yahoo.com.

Tri-State Beekeepers Assoc., Monthly Meeting

3rd Thursday, Feb. 6:30 p.m., novice classes begin Feb. - May, Good Zoo Bldg. Olglebay Park, Wheeling, W.Va, Contact Steve Roth; stroth29201@comcast.net.

West Central Beekeepers Assoc., Monthly Meeting

4th Saturday, 1 p.m., Commission on Aging Bldg.
110 Madison Ave., Spencer, W.Va, Contact Dale Cunningham, 354-6916; pd2526eh@bellsouth.net.

All bee colonies must be registered with the West Virginia Department of Agriculture.

Please contact the Animal Health Division at 304-558-2214.

Zetor, 5245, 4 WD, cab & loader. C. Biller, 1049 Maple Dr., Morgantown, 26505; 598-3454.

Front end loader to fit Zetor, 5245. J. Taylor, 875 Jim Kennedy Rd., Fairmont, 26554; 363-5757.

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.

Doddridge Co.: 42+ A. w/house, attached garage & workshop, 20 A. fenced for goats, barns, greenhouse, cellar/cellar house, developed spring & drilled well, deer fenced garden, free gas, \$265,000. Francis Daniels, 1069 Snake Run Rd., New Milton, 26411; 873-1349.

Greenbrier Co.: 5 A. w/house, outbldgs., barn machine shed, good well, located on Rt. 219, \$218,000. John Porcella, 27579 Seneca Trail, N., Renick, 24966; 497-3875.

Fayette Co.: 27+ A. w/house, well, septic, fruit trees, goat woven wire fencing, woods, sheds, chicken house, \$150,000. Angie Sims, 828 Qwinns Siding Rd., Meadow Bridge, 25976; 640-6947.

Roane Co.: 31 A. w/house, meadow, hay fields, lg. workshop, tractor sheds, barn needs work, wood shed, outbldgs., well water, house site w/dug well & cisterian, semi private rd., elec., secluded, \$100,000. Bernard Taylor, 877 Trace Fork, Gandeenville, 25243; 532-7344.

Farm Wants

Want to rent/lease farm w/sm. house or barn in Pocahontas, Greenbrier or Nicholas Co., want it to raise crops & cattle. Carl Sperry, 111 Dayton Blvd. Belington, 26250; 823-3086.

Goat Sales

Boer bucks: 1 1/2-yr. red w/dapple spots: full, 11-mo., dapple spotted, can be reg. through ABGA, both good disp., \$300/up. Justin McClain, 2853 Dry Fork Rd., Salem, 26426; 782-3983.

NKR/AKGA, Kiko, \$195-\$450; ADGA Saanen, \$250-\$450, all bred proven does & doelings, Jones/CAE/CL/ Brucellosis neg. Hope O'Toole, 595 Luther Heishman Rd, Baker, 26801; 897-7073; donkeymomhope@gmail.com.

Hog Sales

Hogs, grain fed, \$150/ea. Clayton Gibson, 75 Clayton Lane, Clendenin, 25045; 965-3080.

Pure Berkshire, proven bred sow, weanings, gilts, barrows, boars, 100-200 lbs. feeder pigs, \$80/up. Hope O'Toole, 595 Luther Heishman Rd., Baker, 26801; 897-7073; donkeymomhope@gmail.com.

Horse Sales

Filly's, '18: AQHA, reg. chestnut, filly, \$1,000; APHA, blue road & white tobiano, \$1,200. Larissa Elschlager, 2024 Middlebourne Ridge Rd., Waverly, 26184; 679-3446.

Stud ponies, \$125/ea. Ronald Lynch, 8346 New Hope Rd., Bluefield, 24701; 800-6293.

Tenn/Wlkr., gelding, well broke, trail rides, good disp., \$1,800; Paint, mare, big, easy keeper, green broke, \$750; mini mares, 2, dark palamino, white mane & tails, \$100; paint, mini, stud, \$100. Allen Parks, 307 Circle Heights Rd., Weston, 26452; 439-0876.

Saddle bred mares, 10-yr. & 17-yr., \$800/both. Richard Reynolds, 4224 Upper Mud River Rd., Branchland, 25506; 778-3569.

Equine Events



Pack & Swap Meet, Feb. 23, 12 p.m.-5 p.m.

Sissonville Vol. Fire Dept, 5900 Sissonville Dr., Charleston, WV
Alice Hardman Blankenship, 541-6399.

3rd Annual Kicking in Spring, March 23, gates open at 11 a.m.

Winfield Riding Club, Winfield, WV
Alice Hardman Blankenship, 541-6399.

Job Sales

Horse boarding, \$350/mo. Kimberly D'Arco, 194 Homestead Lane, Charleston, 25312; 984-0950.

Plant Sales

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

Seeds: Creasy green seed, \$2/tbspm plus SASE. Denny Canterbury, 2875 Seneca Trail S., Ronceverte, 24970; 645-6370.

Seeds: old-time fat man, Logan Giant, Rattlesnake, brown & white half runner pole bean, more, \$13/100 seed. Betty Flanagan, 467 Ritchie Farm Rd., Summersville, 26651; 880-0135; allen.flanagan@gmail.com.

Heirloom seeds, bush beans, Calima, Dragons Tongue, Rattlesnake Pole bean, \$6/50 seed; Snow Pea Sugar Pod II, \$5/50; greens, Black Seeded Simpson, Buttercrunch, \$5/gram, more seeds. Randall Reimann, General Del., Wolfcreek, 24933; 994-9119.

Old Fashioned Broom Corn seed, farm grown in WV, multicolored seed heads, \$2/1/4 cup, plus SASE. Larry Wilkerson, P.O. Box 6, Griffithsville, 25521; 524-2362.

Sheep Sales

Katahdin/Dorpher cross bred ewes, 76, 90% are not over 4-yr., will start lambing in mid March, \$350/ea., ram & guardian dog included. Tony Arthur, 3432 Annamoriah Rd., Creston, 26141; 354-7008; dieselpap@yahoo.com.

Suffolk: reg. & crossed bred yrlg. rams & ewes, \$375/up. Lucy Kimble, P.O. Box 241, Cabins, 26855; 257-1442; after 6 p.m.

Miscellaneous Sales

No riding habits or other clothes; appliances or furniture; antiques or crafts; hand power tools or equipment; food processing or preservation items or equipment; general wood working tools; firewood. Only dogs recognized by the AKC as herding or working can be accepted.

AKC reg. Anatolian Shep. pups, males & females, workes, vacc./wormed, parents on premises, \$600/ea. Jonell Carver, 3178 Miletus Rd., Salem, 26426; 782-2922.

Rabbits: New Zealand/Californian cross, proven genetics for a lg. trouble free meat rabbit; \$10/ea.; \$25/3. John Chernauskas, 366 N. St., Union, 24983; 772-5214; beegreengrowers@yahoo.com.

Acreage: Harrison Co., 32 A., 2 miles from Pt. Pleasant on Jerico Rd., \$3,000/A./obo. Phil Click, Jr., 5494 Chestnut Ridge Rd., Mt. Alto, 25264; 895-3534.

Acreage: Harrison Co., 48 A., pasture, woods, sm. stream that runs through it, easy access, sm. 3 sided shed, \$80,000. Mike Davis, 2327 Mineral Rd., Jane Lew, 26378; 884-7473.

Acreage: Wayne Co., 5.87 A., woods, stream, 2, level lots, city water & elec., \$36,000. Guy Dillon, P.O. Box 547, Fort Gay, 25514; 417-5257.

Acreage: Wood Co., 96 A., completely fenced, pond for livestock, borders Rt. 60, lots of grazing, open fields, nice rolling land, 5 minutes from Parkersburg, \$274,000. Carole Easton, Rt. 9, Box 330, Parkersburg, 26104; uppergillespie@hotmail.com.

Acreage: Putnam/Jackson Co., 138 A., woods, pasture, sm. pond, hay, semi paved rd., elec., free gas, septic, drilled well, stream, Liberty area, \$1,500/A./neg. R. Good, 8818 Sissonville Dr., Sissonville, 25320; 336-573-9475.

Maple syrup, pure WV, \$16/qt., \$10/pt., \$6½ pts. Karen Hartman, 1761 Burgess Hollow, New Creek, 26743; 788-1831.

Blue Heeler 2-yr. male, must be to loving home, \$100. Ruth Henderson, 9361 Short Life Hwy., Reeder, 26167; 386-4231.

Cory, hay wagon, 18', 10-ton, new bed/back board, 6" steel beams underneath, excel. cond., \$2,000. Max High, 8508 Patterson Crk. Rd., Lahmansville, 26731; 749-8145.

Trailer, '84, gooseneck, cattle, 16", new floor w/mats, fair cond., \$1,950/obo. Nelson Jenkins, 100 Rowan Rd., Sinks Grove, 24976; 646-6152.

Trailer, 16', flat, good floor/tires, has ramps, brakes, \$1,850. Gary McCallister, #1 Squire Valley Rd., Barboursville, 25504; 360-0355.

Karakachan livestock guardian pups, sire & dam are reg. w/AKDA & PennHip cert., raised w/working parents in a working farm environment, minimal barking, respecting farm boundaries & stellar guardian ability, \$575/ea. Quincy McMichael, Gen. Del., Renick, 24966; 992-2922.

Hay, 4x5, round bales, never wet, in barn, Putnam Co., Eleanor area, \$35/bale. Don Meadow, P.O. Box 514, Eleanor, 25070; 545-3570.

ASDR & CKC reg. Aust. Shep. pups, males & females, tails docked, vacc./wormed, blue merles, \$450/firm; black tri, \$350/firm, \$100 non-refundable deposit to hold. Vicki Mitchem, 955 Powley Crk. Rd., Hinton, 25951; 575-6036.

Acreage: Putnam Co., 103 A., 25% bottomland, 25% woods w/½ mile running stream, very private, \$1,500/A.; 6 A., w/all underground utilities, great building site, private paved rd., \$65,000. Bill Morton, 104 Marble Dr., Eleanor, 25070; 543-4575.

Blue Heeler 11/18 pups, males & females, good farm/watch dogs, \$150. Raymond Reedy, 292 Gritt Rd., Buffalo, 25033; 937-2113.

Hay, 4x4, round bales, barn kept, \$25/bale. Dominick Ricottelli, 132 Hidden Hollow Rd., Belington, 26250; 823-1157.

CKC Aust. Heeler. pups, red & blue, ready 12/15, health guaranteed, \$400; older Red Heelers, \$300/ea. Judy Saurborn, 454 Coburn Crk. Rd., Morgantown, 26508; 288-1179.

AKC/ASCA reg. Shep. pups, male, red tri & 2, female, black tris, vacc./wormed, health guaranteed, \$900-\$1,200. Jacklyn See, 1958 Kelly Mtn. Rd., Elkins, 26241; 614-4975.

Humidaire incubator, 6 trays, \$500/obo. Chris Shingleton, 156 Chestnut Lane, Pennsboro, 26415; 758-0044.

Acreage: Roane Co., 159 A., adjoining city limits of Spencer, ½ mile rd. frontage, on Rt. 33, may consider partial financing, \$620,000/may consider partial financing. Larry Stonestreet, 900 Panorama Dr., Spencer, 25276; 786-7166. 9711.

Honey, \$10/lb.; \$16/2lb.; \$20/qt.; \$7/12 oz. plastic bear. Rick Varian, 753 Dolly Lane, Dryfork, 26263; 940-2330.

Hay, 4x5, round bales, stored inside & outside: '18, \$25/bale; '17, \$20/bale. Becky Wilson, 2841 Sellars Rd., Middlebourne, 26149; 758-4288.

Ear Corn, \$4/bu.; \$3.75/bu./10+. Crystal Young, 1282 Pumpkin Vine Rd., Buffalo, 25033; 937-3246.

Raw fleece for hand spinning, Border Leicester, Shetland & Horned Dorset, crosses, white & natural colors, 1oz - whole fleece, free-\$40. Linda Zinn, 2162 Skelton Run, Wallace, 26448; 782-3704.

Miscellaneous Wants

Rabbits. Lisa Sheets, Rt. 1, Box 2, Dunmore, 24934; 456-4071.

TURNROW APPALACHIAN FARM COLLECTIVE FARMER TRAINING

Feb. 27 -8:30 a.m. - 5 p.m.

How to grow at scale, harvest & package dinner; 6:30; \$10; mixer 7 p.m.

Feb 28; 8:30 a.m. - 5 p.m.

Developing a food safety plan, tour Sprouting Farms, GAP certification readiness

March 1; 8:30 a.m. - 5 p.m.

How to maintain the cold chain from harvest to delivery

Montwell Commons, 970 Jefferson St. N. Lewisburg

Grahm House, WV12, Pence Springs

Dinner at Greenbrier Valley Brewing Co.

862 Industrial Park Rd., Maxwelton

Beth Ryan, 573-4242;

beth@sproutingfarms.org.

WVDA ANNUAL AG SAFETY DAYS

Feb 5-7

WVU Kearneysville Tree Fruit Research & Ed. Center

Jessica Stricklen, 558-2209;

jstricklen@wvda.us

APIARY MANAGEMENT GOALS

Feb 28; 6:30 p.m.

North Bend State Park Lodge

40TH ANNUAL CONSIGNMENT FARM MACHINERY AUCTION

March 30; 9am

Jackson Co. Fairgrounds, Cottageville, WV

Contact, Tara Tatalovich, 273-3501;

Jason Miihlbach, 273-0687;

MOUNTAIN ROOTS MARKET INC.

Consignment Farmers Market

• Year round

Mon.-Sat. • 8am-6pm •

148 W. 2nd Street •

Weston, WV

Local WV produce only, fresh baked goods, crafters & artisans of WV.

David Townsend, 269-8619;

Townsendproduce@gmail.com.

—Produce Safety Rule continued

equivalent to that received under standardized curriculum recognized as adequate by the Food and Drug Administration.'

Source: <https://producesafetyalliance.cornell.edu/training/grower-training-courses/>

February 14, 2019

Current Good Manufacturing Practices (cGMP's)

West Virginia Small Farm Conference

Good manufacturing practices (GMPs) describe the conditions and practices that are necessary for the manufacturing, processing, packing or storage of food to ensure its safety and wholesomeness. The current GMPs comprise the basis for determining whether the practices, conditions and controls used to process, handle or store food products are safe and whether the conditions in the facility are sanitary.

The current federal GMP regulation specifically applies to all food products regulated by FDA. This regulation can be found in Part 110 of Title 21 of the Code of Federal Regulations. It outlines the basic sanitary controls that are required for all food processing plants, wholesale or food distribution firms and food storage facilities that handle, store or process FDA-regulated food. This GMP regulation also provides a framework for the specific state regulations that may apply to these firms and for the specific regulations for animal foods that are regulated by the USDA.

Source: <https://www.foodsafetymagazine.com/magazine-archive1/october-november-2008/good-manufacturing-practices-and-training/>

Congratulations!

2019
WV Association
of Fairs and
Festivals Queen
Alexis Bland

AGRICULTURE AND FORESTRY HALL OF FAME NOMINATIONS DUE

Nominations for induction into the West Virginia Agriculture and Forestry Hall of Fame (WVAFHF) are now being accepted. The WVAFHF is devoted to honoring individuals, businesses, organizations, institutions and foundations who have contributed to the establishment, development, advancement or improvement of the agricultural, forestry and/or family life of West Virginia.

This honor is bestowed upon those who have lived in West Virginia, had a long-tenured association with agriculture, forestry and family life, have made outstanding, direct contributions to those industries and demonstrated the highest standards of leadership and contribution on a local, state, national and/or international level.

Nomination forms are available at <https://agriculture.wv.gov/divisions/executive/Documents/2019%20AFHOF.pdf>.

All nomination forms must be received by February 19, 2019.

Selected nominees will be enshrined during the WVAFHF Recognition Dinner to be held in July at Jackson's Mill.

2019 WV Equine Events Calendar

The West Virginia Department of Agriculture publishes a statewide Equine Events Calendar during the show season. To list your club or organization's event(s), please fill out the listing form and return it by March 1, 2019. Any entries received after the deadline will not appear in the Equine Events Calendar. This deadline will ensure calendar availability by April 1.

Only one event listing per form; if additional forms are necessary, please duplicate. Fill listing form out completely (we must have a complete and accurate address and telephone number). Only the name of the contact person and phone number will be published. **All event listings must be held in WV, unless the event is sponsored by a WV Equine Organization. (PLEASE PRINT)**

Date: _____

Time: _____

Event: _____

Sponsor: _____

Place/Location: _____

Contact Name: _____

Address: _____

Phone: _____

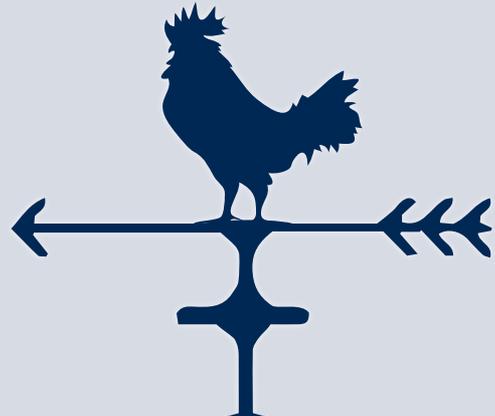
You can also fill out the form online: agriculture.wv.gov/divisions/marketinganddevelopment/Livestock/Documents/2017_Equine_Form_Final.pdf

Note: If your event date or location changes please notify us at (304) 538-2397 at least 60 days in advance, so the correct information will appear in the appropriate issue of the Market Bulletin.

Return by March 1, 2019 to:

West Virginia Dept. of Agriculture, Andy Yost, Livestock Marketing Specialist
 Animal Health Division, 60B Industrial Park Road, Moorefield, West Virginia 26836
 (304) 538-2397; Fax (304) 538-7088; ayost@wvda.us

EXTENSIONSERVICE



15TH ANNUAL WEST VIRGINIA SMALL FARM CONFERENCE

February 13-16, 2019

Charleston Civic Center • Charleston, West Virginia

extension.wvu.edu/small-farm-conference
 Conference hosted by WVU Extension Service Small Farm Center.

Farmers Grow Food and Communities

WVU is an EEO/Affirmative Action Employer - Minority/Female/Disability/Veteran
 In accordance with Federal law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, disability, and reprisal or retaliation for prior civil rights activity. (Not all prohibited bases apply to all programs).
 The WVU Board of Governors is the governing body of WVU. The Higher Education Policy Commission in West Virginia is responsible for developing, establishing, and overseeing the implementation of a public policy agenda for the state's four-year colleges and universities.
 Reasonable accommodations will be made to provide this content in alternate formats upon request. Contact the WVU Extension Service Office of Communications at 304-293-4222.



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GARDEN CALENDAR

February 2019 Source: WVU Extension Service Garden Calendar

FEB. 2 Harvest overwintered vegetables.

FEB. 4 Start a kitchen herb garden.

FEB. 5 Apply lime and fertilizer.

Order fruit trees.

FEB. 6 Order a high tunnel.

FEB. 7 Seed head lettuce (indoors).

FEB. 8 Build a low tunnel or cold frame.

FEB. 9 Seed leeks (indoors).

Seed cauliflower (indoors).

FEB. 11 ... Clean dust from houseplants with
 a damp cloth.

FEB. 12 ... Seed celery (indoors).

FEB. 13 ... Seed leafy salad greens in high tunnel.

FEB. 14 ... Order herb seeds.

Prune grapes.

FEB. 15 ... Seed broccoli (indoors).

FEB. 16 ... Seed collards (indoors).

Order seed potatoes.

FEB. 18 ... Seed peas (outdoors) south of
 U.S. Route 60.

FEB. 19 ... Prune blueberries, raspberries,
 blackberries, and fruit trees.

FEB. 20 ... Seed cabbage (indoors).

Plant Irish potatoes in high tunnel.

FEB. 21 ... Seed onions and greens in cold frame
 or low tunnel.

FEB. 22 ... Apply lime sulfur to blueberries.
 Prune blueberries.

FEB. 23 ... Apply dormant oil spray to fruit trees.
 Prune deciduous trees and shrubs.

FEB. 25 ... Mow asparagus ferns.

FEB. 27 ... Presprout seed potatoes.

FEB. 28 ... Build a raised bed garden.