

THE MARKET BULLETIN

“TELLING THE STORY OF WEST VIRGINIA AGRICULTURE”

KENT A. LEONHARDT, COMMISSIONER

www.agriculture.wv.gov

JOSEPH L. HATTON, DEPUTY COMMISSIONER

Lessons Learned Drought 2024

NOVEMBER 2024 | VOLUME 108, NO. 11



Nathaniel Mason points to one of his ponds he had built after the '08 drought. The water flows into tire troughs below, helping ensure every paddock on the farm has a water source.

On an overcast, cool day in early October, Nathaniel Mason surveys his 480-acre farm in Ritchie County from its highest point. He's not unhappy with what he sees. After weeks and weeks and weeks of sunshine, hot temperatures and no rain, some of his beef cattle are grazing just a few feet away, munching on healthy, green grass. Down in the valley, more yearlings are doing the same. In fact, as far as the eye can see, Mason's farm is lush and green, his ponds and troughs filled with water. If we hadn't just lived through one of the driest summers on record in West Virginia, you'd never know the state was in a drought by looking at Mason's farm.

If you travel two hours northeast, you'll find Gary Walls' farm in a similar situation. His fields near Bruceton Mills, in Preston County, are emerald green. His cow/calf pairs munch on clover underneath a shade tree. There's not a brown patch, clump of dead grass or square inch of bare dirt in sight. The drought hasn't touched his farm and there's a reason for that. Both Walls and Mason learned from the past and decided to prepare for the future.

For Walls, it happened in 1988. Back then, he was running a dairy operation on his family's farm where he was born and raised.

At the time, farming was his side job. That summer, he recalls, was hot and dry. But it wasn't until August rolled around, that temperatures soared, and the rain stopped falling.

"Oh... '88 was a severe drought, maybe not quite as severe as it is today but pretty darn close," Walls vividly

remembers. "We had very little grass. It was all burnt up. If it hadn't of been for feeding my cows silage, I probably wouldn't have gotten through it. The fields were completely brown. It was a late season drought. It started in August and lasted clear through October. I had two ponds on the property at the time. One went dry. Luckily, the other didn't."

By the time the drought broke in late fall, the damage had been done. Farmers across West Virginia lost entire crops, herds, and in some cases, their farms. The drought of '88 is still the benchmark for old timers. It was a wake-up call for Walls.

"A lot of things became clear to me – the cost of equipment, the value of forage, taking better care of my soil," he notes.

It didn't take long for him to call on a few friends to help him make important choices.

"I had a few people from my local Conservation District and the Natural Resources Conservation Service (NRCS) come out and give me some input on how to lay things out here on the farm," explains Walls. "I decided to put in division fences to begin with and a complete water system of wells and a section of city water with a couple new ponds. That was the biggest weak link in the chain,

upgrading our water."

Make no mistake, according to Walls, it was a major undertaking, but well worth it.

"When we made these changes, it wasn't as costly as it would be today, but it did take some money," Walls stresses.

With changes to his infrastructure came changes to his business model. Walls switched from dairy cows to beef cattle. Instead of cutting hay, he grazes his animals from May through December. Instead of giving them full pastures to roam, he started more intensive rotational grazing.

"We've got this down to a science," explains Walls. "The cattle get moved every two to three days from one field to the next. We use division fence/poly wire, nothing complicated. My pastures are orchard grass, timothy and sweet clover. The cattle love it! They come in, and they're just like a bunch of mini lawn mowers. They eat it right up. We only graze down like four inches and try to bring it back to 12."

Walls doesn't use any fertilizers or chemicals. He clips his grass and allows nature to do its thing. He also keeps a close eye on the forecast and knew things were going to get dry early on this past spring. He planned accordingly.

"We decided there'd be less clipping of the pastures. We decided to rotate the pastures more often. Instead of two to three days in a field, we put the cattle through in one day. We're talking a group of 42 cow/calf pairs. I sold some calves 44 days ahead of schedule because we wanted to keep the condition of our cows where it was at the time. We were pleased with the decision we made."

Fewer cows meant more grass for the rest of the herd. Because Walls had city water installed and piped into tire troughs in his fields

FROM THE COMMISSIONER:

Cooperative Agreement Launched to Tackle Food Insecurity



At the Department of Agriculture, our mission is to protect the food supply while supporting local food industries and ensuring all West Virginians have access to healthy and plentiful food. As the holiday season brings families together for shared meals, it's important to remember that more than 15% of our residents' face food insecurity. This issue stems from factors such as economic struggles, limited access to food (food deserts), and unemployment. We are working to combat these challenges by expanding farmers' markets, promoting food and health education, and encouraging people to grow their own food.

I'm also proud to announce an innovative step we've taken to combat food insecurity. The WVDA recently signed a cooperative agreement with the Kentucky Department of Agriculture (KDA), allowing for cross-border food distribution. This partnership, facilitated by Facing Hunger Food Bank, in West Virginia, and God's Pantry Food Bank, in Kentucky, enables the distribution of USDA foods through The Emergency Food Assistance Program (TEFAP) across state lines. TEFAP is a federal program that provides free emergency food to supplement the diets of low-income individuals.

This initiative will allow food-insecure residents in Mingo County, WV, and parts of Pike County, KY, to access USDA foods across

state lines. By expanding food resources, it aims to help fill nutritional gaps in these communities. The joint effort is expected to benefit more than 370 households in both states and represents an important step toward building the partnerships needed to address food insecurity.



Kentucky Commissioner of Agriculture Jonathan Shell and WVDA Commissioner Kent Leonhardt sign a groundbreaking cooperative agreement enabling the distribution of USDA foods across state lines. This partnership, facilitated by Facing Hunger Food Bank in West Virginia and God's Pantry Food Bank in Kentucky, will support over 370 food-insecure households and set a new precedent for addressing food scarcity across borders.

Reaching this point required creative thinking and a focus on 'how' to make it happen, rather than questioning 'if' it was possible. It took time and ingenuity to bring it all together. As a result, we now have a signed agreement that will benefit underserved areas of southern West Virginia and eastern Kentucky. Just as importantly, this agreement sets a strong precedent for other states to

follow, encouraging them to address food insecurity without barriers.

I look forward to seeing the benefits of this agreement and how it expands to other regions.

As hunting season approaches, it's a great time to remind everyone about the Hunters

Helping the Hungry program. Participating hunters can bring their harvested deer to designated processors, who will grind, package, and freeze the venison. The Mountaineer Food Bank, in Gassaway, and Facing Hunger Foodbank, in Huntington, then distribute the venison to over 600 charitable organizations, including food pantries, soup kitchens, senior centers, and shelters. Since the program began in 1992, hunters have donated 29,259 deer, equaling 1,112,271 pounds of nutritious venison. This is a highly valuable program, and I encourage you to learn more about it and consider donating.

In closing, I wish you a Happy Thanksgiving and remind you that WV Grown products can make a delicious addition to your holiday meal.

Kent Leonhardt, Commissioner of Agriculture

Animal Health Bulletin: Bovine Respiratory Disease

Bovine Respiratory Disease (BRD), also known as "Shipping Fever," is a respiratory disease complex that occurs most often within four weeks of weaning. A stressful event, such as weaning, coupled with handling, commingling, transport, and exposure to infectious agents creates a perfect storm for BRD to occur. Stress negatively impacts the immune system which makes calves more susceptible to BRD. The most common viruses that cause BRD are Bovine Viral Diarrhea, Infectious Bovine Rhinotracheitis, Bovine Respiratory Syncytial Virus, and Parainfluenza Type-3 Virus. These viruses damage the respiratory tract of calves and create an opportunity for bacteria to colonize in the lungs. Fortunately, many of the causative agents can be prevented through vaccination. Early clinical signs of BRD are vague and include depression, loss of appetite, and dull appearance. Later in the course of disease, clinical signs include rapid/labored breathing, droopy ears, coughing, staggering, nasal discharge, and sudden death. Calves showing

early clinical signs should be checked for a fever. A temperature over 104 °F is consistent with early signs of BRD. Early recognition and treatment can improve the outcome and performance of affected calves. Most often treatment includes administering an antibiotic specifically designed to treat bacteria commonly found in the lung, an anti-inflammatory medication to reduce fever and damage to the lung, as well as supportive care. There are numerous prevention strategies to consider when managing high-risk calves. Some of these strategies include providing good nutrition, vaccinate, reduce stress, and metaphylaxis. BRD is an economically important disease. Always consult with your veterinarian for effective vaccination and management strategies, as well as treatment options.

Reference:

Kasimanickam, Ram. Bovine Respiratory Disease "Shipping Fever" in Cattle. Washington State University Veterinary Medicine Extension. August 2010.

— **Drought**, Cont. from page 1

years ago, there was no worry about running out of water and having to haul it in.

"I plan to be grazing my cattle until at least the 10th of December," Walls says looking out over his pastures.

He's not bragging. He's just stating a fact.

Back down in Ritchie County, Nathaniel Mason is one busy farmer. Not only does he own the 480 acres he and his family live on, he also helps run his family farm in Ellenboro and his wife's family farm in Cox's Mill (Gilmer Co.), totaling more than 2,000 acres. That doesn't leave much time for hauling water during a drought. Through foresight and planning, he did very little of that this year.

Mason has been a farmer all his life. He was helping his father, an Extension agent, out on the farm from the time he was old enough to wear a pair of boots. He was a member of 4-H and joined FFA at Ritchie County High School. He got degrees in biology and chemistry from Glenville State before he decided to come back to the farm after graduation and make a career of raising cattle.

When he and his wife Shelly purchased the old Arden Baker Farm in 2005, he thought he had a good handle on the basics of farming. They knew the farm needed a lot of work, but they weren't prepared for what came next.

"We started working on some simple projects, small things. The farm didn't have a lot of division fences or water development. Then 2008 came along," Mason pauses. "We had a drought that was comparable to what we've seen this year, at least to me. We were running a lot of yearling cattle, and it got dry that summer. Our pastures were burnt up because we didn't have the fertility and the topsoil quality that we needed. We didn't have the spring development or the ponds fenced off. The cattle would just stand in the middle of the ponds and make a mess of them. We were hauling water from daylight to dark, non-stop. We had to start putting hay out for the cattle to eat very early because there was nothing in the pastures."

Mason looks out over his property and shakes his head.

"I'd always had it drummed into me my whole life - you have to be concerned about your stocking rates, your carrying capacity. Like the old timers say, you're better off with too few animals than you are with too many. But...you learn that the hard way," he says with a shrug. "Cattle prices were fairly cheap at the time, and I had a lot of yearlings. It didn't take too long for them to work the grass because it was so dry. We had to sell some yearlings earlier than we wanted. Once you go through

that a time or two, you take some valuable lessons from that."

It didn't take Mason long to decide it was time to make some major changes on the farm. He started with his local FSA and NRCS office.

"They are both invaluable," stresses Mason.

The agencies helped him come up with a plan for the farm and NRCS, with their Environmental Quality Incentives Program (EQIP), assisted Mason with the financing.

"We knew we had to look towards the future. So, we started with our water system.

We were able to build some new ponds, cleaned out some old ponds. We had some water wells drilled, put in spring developments, and we fenced the cattle out of those areas. This new pond," Mason points to a water source in an upper paddock, "we built from scratch and were able to run pipeline from it down to other paddocks we have divided off and put tire troughs into those. They previously didn't have a good water source."

Mason also added division fences to rotate the cattle through.

"Rotational grazing works," stresses Mason. "It truly does. We have this farm broken down into about 15 to 20 paddocks, and they all have their own water source."

"All these projects that we signed up for on this farm, we did over a span of five to six years. By the time we did all the excavating, built the ponds, laid the pipe, put in the fence, reseeded those areas and put in the tire troughs, my goodness! It was somewhere around \$130,000! That was 10-15 years ago. With inflation, the cost would be at least double now. But I'll tell you this. I'm sure glad we did it, especially with how things turned out this year."

Mason only had to haul water a couple of times this summer when one of his ponds dropped below normal levels. He never had to feed his cattle hay. His pastures were starting to look a little rough, but there was still grass enough to eat. When the remnants of Hurricane Helene went through in late September, Mason says it took just four days for his fields to return to lush pastures. He credits that to good soil management, rotational grazing and using hardy, drought

resistant grasses.

Heading into the drought, Mason had a manageable herd size. While other farmers had to sell their cattle when pastures and water sources dried up, he was able to purchase cattle from local sales and increase his herd.

Mason understands the hard times West Virginia farmers are going through and stresses he's been there, too. But he wants his fellow farmers to know there is a light at the end of the tunnel, there is help available and planning for the future is imperative for long-term success.

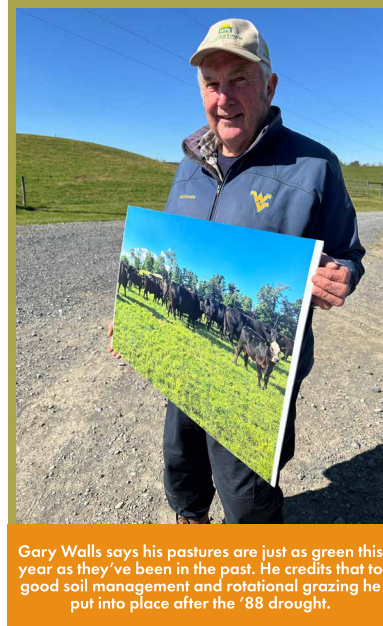
"Now is the time to start thinking about the future. We could have another dry summer. Now is the time to start thinking about next summer or even the next drought 10 years down the road. Now is the time to do it! You need to determine what your farm needs, make a plan and do it. If you have a spring that's flowing right now. It's a good spring. Get it developed! Heaven knows it's a lot of money, but it will pay off in the end."

Walls echoes those sentiments. He says when

it comes to farming, nothing is guaranteed.

"I hope to start spring grazing the first of May, but that's all going to depend on the weather and the subsoil. We're going to need a lot of moisture over the winter and spring to get things back to normal," Walls says with a shrug of his shoulders. "Farmers have got to be prepared if they want to survive. You've got to be good stewards to the soil and of the forage, too. That's what it comes down to."

West Virginia farmers impacted by this year's drought need to reach out to their local Farm Service Agency (FSA) office. You can find those number by logging on to the WVDA Drought Assistance Resource website at agriculture.wv.gov. Schedule a time to meet with an FSA agent in-person and discuss programs and funding available in your area. They can also connect you with other agencies providing assistance. Agencies such as your local Conservation District, WVU Extension Service and NRCS also offer long-term farm planning which can help farmers, small and large, make improvements to their property to prepare for events such as droughts.



Gary Walls says his pastures are just as green this year as they've been in the past. He credits that to good soil management and rotational grazing he put into place after the '88 drought.

Drought 2024

SEE THE IMPACT ON THE MOUNTAIN STATE



Cavender Farm/Roane County – Kathy Moles' pasture dried up, and she wasn't able to get a second cutting of hay. She's been hauling water since early summer and started feeding her cattle hay in August.



Smith Grain & Cattle/Jackson County - Ben Smith's 20 acres of soybeans and corn near Ravenswood were a complete loss.



Clagg's Runnin' Wild Show Cattle /Cabell County – A stream that runs through Keith Clagg's farm in Milton ran bone dry this summer along with his spring-fed watering system for his cattle.



Hagarty Farm/Hardy County – By early June, Willie Hagarty's cool season grass had dried up after unseasonably hot temperatures and little rain.

Fall Burning Season

Fall is the driest time of the year for West Virginia. With very little rain over the past month and leaves now on the ground, the smallest spark can start a fire that turns into an out-of-control blaze. Burning Season is in effect October 1 – December 31.

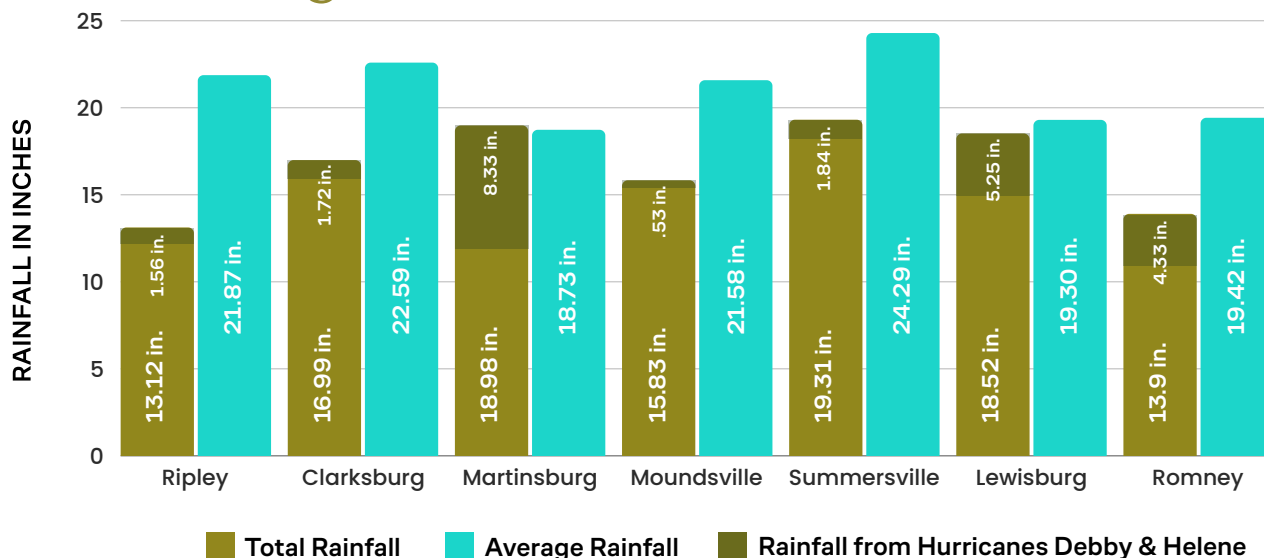
Here's what you need to know:

- Burning is prohibited from 7 a.m. to 5 p.m.
- If burning between 5 p.m. to 7 a.m., your fire must be completely extinguished by 7 a.m.
- All fires must have a ring or safety strip at least 10 feet wide cleared of burnable material.
- Only vegetative materials such as leaves, brush and yard clippings are permitted to be burnt.
- Fines for forest fires due to negligence range from \$100 to \$1,000, with an additional civil penalty of \$200.

Exceptions include:

- Small fires for food preparation, warmth or light around which all grass, brush, stubble or debris has been removed for at least 10 feet from the fire.
- Burning which is conducted when the ground surrounding the burning site is covered by at least one inch of snow.

West Virginia Rain Data | MAY-SEPTEMBER 2024



WHAT'S COOKIN'?



Let's Talk Turkey

It happens EVERY. SINGLE. YEAR. You plan and you shop and you prep and you cook and you serve a Thanksgiving feast fit for a king. Once everyone is stuffed as full as a turkey, you're left with a table full of leftovers. Sure, you might pack some up for Aunt Goldie and Uncle Bob to take home, but the rest gets shoved in the refrigerator and may never see the light of day until it hits the trash can. But wait, we've got some great recipes to share that will turn those leftovers into long gones (and we're not talking traditional turkey sandwiches and creamed turkey). If you have a Christmas recipe that you'd like to share with us, send it to marketbulletin@wvda.us. Include your name, where you live and if there's a story or family history that goes along with the recipe. The deadline is November 15.



Tater Balls

Ingredients

- 3 cups mashed potatoes
- ½ cup chopped scallions
- 1 cup shredded cheddar cheese
- 2 large eggs
- 2 cups seasoned breadcrumbs
- Vegetable oil, for frying
- Leftover gravy or cranberry sauce

Step 1

In a large bowl, stir together the mashed potatoes, scallions, cheese, eggs, and a pinch of salt and pepper until well combined. Place breadcrumbs in a separate, large bowl.

Step 2

Scoop out about 3 tbsp. of the mashed potato mixture and roll it into a ball, then roll the ball in the breadcrumbs. Repeat the rolling and breading process with the remaining potato mixture.

Step 3

Line a baking sheet with paper towels. Add the vegetable oil to a large, heavy-bottomed stockpot set over medium heat and attach a deep-fry thermometer. Once the oil reaches 360-degrees, add a few of the mashed potato balls and cook them, turning occasionally, until golden brown.

Step 4

Using a slotted spoon or colander, transfer the mashed potato balls to the paper towel-lined plate and immediately season them with salt.

Step 5

Add the remaining mashed potato balls to the oil, returning the oil to 360-degrees between each batch.

Step 6

Serve the mashed potato balls with leftover cranberry sauce or gravy for dipping.

NOVEMBER 2024



Stuffin' Muffins

Ingredients

- 2 tsp butter
- 3 cups prepared stuffing/dressing
- 1 cup turkey
- ¼ lb. frozen spinach
- 6 large eggs
- 2 tbsp milk
- ¼ tsp salt
- ¼ tsp freshly cracked pepper

Step 1

Preheat oven to 375 degrees. Grease a muffin tin with butter. Squeeze the spinach dry.

Step 2

Add the stuffing, turkey, and spinach to a bowl, then stir gently to combine without breaking up the stuffing too much. Divide the stuffing mixture between all 12 wells of the muffin tin. Leave the stuffing loosely packed in the cups so that the egg mixture can fill in around the stuffing.

Step 3

In a medium bowl, whisk together eggs, milk, salt, and pepper. Divide the egg mixture among the 12 wells, starting with 2 tbsp. per muffin and then adding a little bit more until all of the egg mixture has been used. The egg will not fully cover the stuffing. It will puff as it bakes.

Step 4

Bake the muffins for 25-30 minutes or until golden brown and crispy on the top. Allow the muffins to cool slightly, then run a knife around the edges to loosen and remove each muffin. Serve warm.

Thanksgiving Quesadillas

Ingredients

- 4 tortillas
- 2 cups turkey, chopped (white, dark or mixed meat)
- ½ cup cranberry sauce
- 1 cup shredded cheese (cheddar or pepper jack)
- Fresh sage (to taste)

Step 1

Spray a large skillet with non-stick spray and heat on medium.

Step 2

Place the first tortilla in the bottom of the skillet and top with ¼ cup of cheese, ½ cup turkey, ¼ cup cranberry sauce, sage to taste, another ¼ cup cheese, and a second tortilla. Grill until the cheese starts to melt (about 5 minutes) before flipping to the other side for an additional 5 minutes.

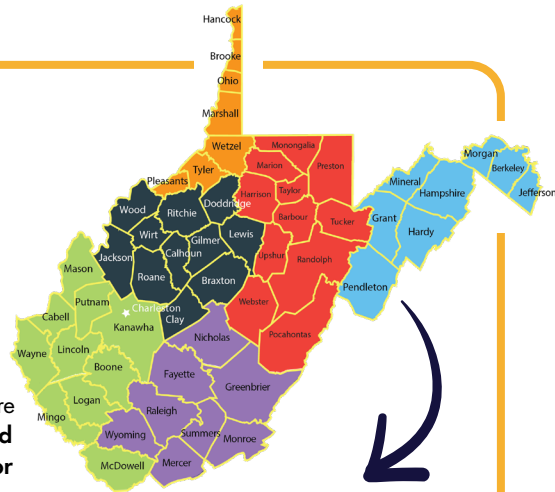
Step 3

Take off the heat and cut into quarters. Repeat with the remaining ingredients.

Turkey Tips (from the USDA):

- If you're thawing your turkey in the refrigerator, you need 1 day for every 4-5 lbs.
- If you're thawing your turkey in water, you need 30 minutes for each lb.
- If you're thawing your turkey in the microwave, check your microwave manual for minutes per lb. and the power level to use.

WVDA PLANNING COORDINATORS



Our WVDA Planning Coordinators cover a lot of ground – literally! Their jobs are to help agribusiness in their regions with business planning, product labeling, understanding rules and regulations, signing them up for our WV Grown program, encouraging partnerships, connecting them with other agencies/higher ed and being the biggest cheerleaders for the agribusinesses they serve. Find your coordinator on our map and give them a call or drop them an email. They're eager to help take your agribusiness to the next level. ***The Central Planning Coordinator and Dairy Planning Coordinator positions are currently vacant. If you would like to apply for one of the positions, contact 304-558-2210 or michelleparsons@wvda.us.**

MEET THE TEAM



Lacy Davidson Ferguson, MS, RDN

Southwestern Planning Coordinator
(o)304-558-2210/(c)304-546-7930
ldavidson@wvda.us

"I own and operate a small, family farm and know the ups and downs of farm life. Having a program like WV Grown there to help guide you can be invaluable."



Sherry Mitchell, MA

North Central Planning Coordinator
(o)304-558-0670/(c)304-941-9167
smitchell@wvda.us

"I love working with WV businesses to market their products because I'm proud to share the West Virginia spirit and the pride our producers take in their craft."



Nathan Bergdoll

Eastern Panhandle Planning Coordinator
(o)304-558-2210/(c)304-703-5575
nbergdoll@wvda.us

"I spent my childhood on our family farm in Hardy County. I know the hard work and dedication it takes to operate a small farm and take pride in assisting our West Virginia producers in advancing their businesses."



Ashley Amos, M.Agr. Or MAg

Southeastern Planning Coordinator
(o)304-558-2210/(c)304-807-6019
aamos@wvda.us

"I'm dedicated to helping West Virginia Grown businesses succeed because this state is my home. By supporting local farms and companies, I believe we can create opportunities for them to grow and thrive, building a stronger future for the place we all love."



Kacey Gantzer, MPS-OL

Northern/Technical Lead Planning Coordinator
(o)304-558-2210/(c)304-546-9167
kgantzer@wvda.us

"Working with West Virginia producers and farmers is inspiring. As planning coordinators, we provide a sounding board for producers and make connections to services and other members of the agriculture community. The future of small-scale agriculture is brighter than ever in West Virginia."



Derek Richard, MA

Meat and Livestock Statewide Planning Coordinator
(o)304-558-2210
drichard@wvda.us

"I've spent my entire life involved in agriculture. Operating a farm has shown me the trials and tribulations but also its joy and sense of accomplishment. Assisting West Virginia farmers to be more productive, provide a safer product to the consumer and reach their goals has been very rewarding."

HUNTERS HELPING THE HUNGRY

WEST VIRGINIA
DNR



Hunting is not just a pastime in West Virginia, it's a passion for tens of thousands of state residents. Each year, while they're in the woods, many hunters aren't just aiming for a trophy buck, they're hoping to bring home a deer that will help feed those in need. Since 1992, Hunters Helping the Hungry has gratefully collected more than one million pounds of venison from hunters who have donated their deer to the program. The meat goes to West Virginia's two food banks, feeding some of the state's neediest families. With the help of the Governor's One Shot Hunt, Share the Harvest Sunday, and other forms of private donations, there are no processing fees for hunters who designate deer for the program. Thanks to those generous hunters, more than 29,000 deer have been processed, providing 1.4 million meals to West Virginia families. From the first day of any deer season until December 31, hunters who legally harvest a deer and wish to donate the meat to HHH can deliver the deer to the nearest participating meat processor. The Mountaineer Food Bank and Facing Hunger Foodbank will then pick up the donated venison to be distributed among a statewide network of 600 charitable food pantries, senior centers, shelters, and other feeding programs.

For more info: call 304-924-6211 or visit <https://wvdnr.gov/hunting/hunters-helping-the-hungry>.

4-H SPOTLIGHT

AARON SHRIVER

AGE: 16
GRADE: JUNIOR
SCHOOL: MORGANTOWN CHRISTIAN ACADEMY
4-H CLUB: VALLEY FALLS DREAMERS
4-H ADVISOR: ELVIRA SUMMERS

Aaron: I grew up on a farm in Grafton. We run about 110 cow/calf pairs. We also have a production sale. I've always liked the Angus side of things, and we added a couple Herefords. I joined 4-H when I was nine or 10. My first project was selling heifers at the Beef Expo. I really enjoy showing my animals and talking to people about my projects. This is something I'm really passionate about. I enjoy the people in the cattle business, and I enjoy the process. Making a little money doesn't hurt either. Being in 4-H I've had a lot of opportunities to learn about leadership and public speaking. I want to continue showing cattle. I plan to go to college. I'm either going to veterinary school or go to trade school to become an electrician, but I always want to be involved in agriculture.



EXTENSION

ATTENTION!



If you're a West Virginia agribusiness with a **holiday event**,
OR have a **Christmas tree farm**, let us know!
We want to tell folks all about it!

CONTACT THE WVDA AT AGRITOURISM@WVDA.US WITH YOUR INFORMATION.



2024 WEST VIRGINIA CENTURY FARMS



The Furrow Family Farm in Waiteville, Monroe County, is one of four farms recognized as WV Bicentennial Farms in 2024.

Fifteen West Virginia farms have been recognized as Century Farms for 2024.

The West Virginia Century Farm Program is designed to recognize families who have been farming the same tract of land for at least 100 years. Each farm received a sign recognizing them as Century, Sesquicentennial or Bicentennial farm, and each were recognized during the West Virginia Conservation Partnership Conference luncheon, in Sutton, on October 22.

This year's Bicentennial farms are Legacy NELSON Land (Potomac Valley Conservation District), The Homeplace (Western Conservation District), Wooddell Ancestors' Arrowhead Farms (Greenbrier Valley Conservation District) and Furrow Family Farm

(Greenbrier Valley Conservation District).

This year's Sesquicentennial farms are The Ferrell Farrell Family Farm (Southern Conservation District), DeBussey Farms, Inc. (Western Conservation District), Seven Islands Farm, LLC (Tygarts Valley Conservation District) and The Hoback Farm (Guyan Conservation District).

This year's Century Farms are Millstream Valley Farm (Western Conservation District), Floyd Kursey's Farm (Eastern Panhandle Conservation District), McCormick Crosier Branch Farm (Greenbrier Valley Conservation District), Nesters Polled Herefords (Tygarts Valley Conservation District), Linger Farms, Inc. (Tygarts Valley Conservation District), Feather

Farm (Monongahela Conservation District) and Ferguson Farms (Guyan Conservation District).

Landowners interested in having their family farm recognized should fill out an application and submit it to their local conservation district. Applications can be found online at www.wvca.us. Property deeds are often necessary to verify a farm's age and that it's remained in the same family. Photographs of a farm are also part of the application process. Applications are due to the farmer's local conservation district office by Feb. 1.

SALUTING OUR FARMER/VETERANS THIS VETERANS DAY



Many veterans search for purpose upon separation from the military. Having a deep sense of service to country and community, agriculture can be a natural fit. With over 10% of West Virginia farmers having prior military service, veterans make up a significant portion of the agricultural industry and contribute greatly to the local food economy. Often bringing a unique and fresh approach to their agricultural endeavors, they strive to be stewards of the land, provide homegrown meat and produce for their families, and support fellow veterans. For some, agriculture is not only a means to heal the land but acts as a form of dirt therapy to provide mental peace and clarity. On this Veterans Day, the West Virginia Department of Agriculture honors all those who have and continue to serve our great country and state.

The Veterans and Heroes to Agriculture program is dedicated to the integration and support of veterans, firefighters, law enforcement, emergency services personnel and first responders entering or currently working in agriculture to benefit their health and welfare, as well as the state's agricultural economy. For more information, contact vetstoag@wvda.us or 304-558-2210.



2024 CHRISTMAS TREE SEASON

Now that the weather has turned chilly and we're starting to think about the holiday season, one of the first things that comes to mind is a family-favorite Christmas tradition – choosing and cutting a perfect pine from your go-to Christmas tree farm. However, things may be a little different this December. The drought has impacted nearly every agricultural industry across the state of West Virginia, including our Christmas tree farms. Landin Harper, the owner/operator of Wilkerson Christmas Tree Farm in Lincoln County and President of the West Virginia Christmas Tree Growers Association, says 70% of the 2,000 seedlings he planted this year died as a result of the drought, and he's not alone. Many growers not only lost seedlings, their mature trees, anywhere from seven to 10 years old, felt the impact of the drought, as well. As a result, the WVDA's annual Choose and Cut Christmas Tree List may look a little smaller this year. A few growers have decided not to open, and some, as marked on the list, have limited trees for sale. There are still plenty of farms opening for the season and plenty of trees to pick and choose. We've added a website at the bottom of the list where you can find the location, social media, phone number and email address of each farm. Your best bet is to contact the farm before you go, to find out if they still have trees for sale. Because those trees have been under some stress this year, Harper says your pine will need some extra TLC. "Folks who buy a fresh cut tree this year need to be a little more proactive in taking care of it. You can't just bring it home, give it some water and forget about it. Make sure it gets plenty of water to drink. You may need to water it twice a day."

WV AGRIBUSINESS CHRISTMAS TREE FARMS

*Berry Fork Enterprises - Heaters

Blackthorn Estates Nursery - Sugar Grove 

Bluestone Tree Farm - Camp Creek

Brushy Mountain Tree Farm - Franklin 

Cedar Run Farm - Sistersville 

Crickmer Farms Christmas Shoppe - Danese

Dan & Bryan Trees - Shepherdstown

Diello's Choose and Cut - High View

E Black and Son Nursery - Wheeling

*Emerald Farms - Moatsville 

Evergreen Christmas Tree Farm - Mineral Wells 

French Creek Christmas Trees - French Creek

Friars Hill Nursery - Frankford

*Gray's Park Place - Mt. Lookout

Jolliffe Nursery - Knob Fork

King's Trees - Bruceton Mills

Lakes Tree Farm - Hacker Valley

May Tree Farm - Maysville 

*Mill Run Farm - Marlinton

*Miller's Christmas Trees - Terra Alta

Mozark Mountain Tree Farm - Hendricks

Mulkeen Landscaping and Christmas Tree Farm - Independence

Reddington Farm - Harpers Ferry

* Limited supply this year

Visit: <https://agriculture.wv.gov/> for more information on these farms.

Want to be added to our list? Contact Agritourism@wvda.us
wvgrown@wvda.us or 304-558-2210



*Rocky Knob Christmas Tree Farm - Upper Tract 

Santa's Woods - Summit Point 

Seven Islands Farm - Parsons 

Town and Country Nursery - Kearneysville

Westfall Christmas Tree Farm - Grantsville

Wilkerson Christmas Tree Farm - Griffithsville 



West Virginia DEPARTMENT OF AGRICULTURE

CLASSIFIED ANNOUNCEMENTS November 2024

To Submit
an Ad: ▶

Phone: 304-558-2225
Fax: 304-558-2270
Email: marketbulletin@wvda.us
Mail: 1900 Kanawha Boulevard, E.
Charleston, WV 25305

December 2024. . .

Phone-In ads for the December issue must be received by **12 noon on Thursday, November 8.**

Written ads for the December issue must be received by **1 p.m. on, Friday, November, 9.**

January 2025. . .

Phone-In ads for the January issue must be received by **12 noon on Thursday, December 5.**

Written ads for the January issue must be received by **1 p.m. on, Friday, December, 6.**

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

Apiary Events

Barbour Co. Beekeepers Assoc., Monthly Meeting, 4th Thursday, 7:00 p.m., Barbour Co. Fairgrounds in metal quonset hut, Contact Dave Hunt, 304-457-4500.

Clay Co. Beekeepers Assoc., Contact Mark Davis, 304-651-3002; claycobeekeepers@gmail.com.

Fayette Co. Beekeepers Assoc., Monthly Meeting, last Monday, 6:00 p.m., 401 W. Maple Ave., Contact Rick Forren, 304-539-1303.

Harrison Co. Beekeepers, Discussion Group, Contact Larry Forinash 304-669-5410; lforinash1@gmail.com

Kanawha Valley Beekeepers Assoc., Bi-Monthly Meeting, 3rd Sat., 10:30 a.m.-1 p.m., Contact Steve May, 304-727-7659.

Monongalia Co. Beekeepers Assoc., Monthly Meeting, 1st Tuesday, 6:00 p.m., WVU Ext. Office, 270 Mylan Park Lane, Morgantown, Contact Kevin Hart, kevin.hart@moncountymbeekeepers.org.

Mountaineer Beekeepers Assoc., Bi-Monthly Meeting, 2nd Monday, 6:30 p.m., City Bldg. on School Rd, Contact Patrick O'Connell, occonnellpatrick0370@gmail.com.

Mountaineer Beekeepers Assoc., Discussion Meeting, 4th Thursday, 6:30 p.m., Doddridge Co. Library, downstairs meeting room, Union, Contact Patrick O'Connell, occonnellpatrick0370@gmail.com.

Potomac Highlands Beekeepers Assoc., Monthly Meeting, 2nd Thursday, 7 p.m., Romney Firehouse Center, High St., Downtown Romney, Contact Kirby Vining, 202-213-2690; secretary.phba@gmail.com.

Preston Co. Beekeepers Assoc., Monthly Meeting, 3rd Thursday, WVU Ext. Office, Kingwood, Contact Scott Lewis, 304-376-0453.

Southeastern Beekeepers Assoc., Monthly Meeting, 1st Monday, 6:00 p.m., Ronald P. Sharp Alumni Conference Center, WV Osteopathic School, Lewisburg, Contact Rick Forren, 304-539-1303.

Tri State Beekeepers Assoc., Monthly Meeting, 3rd Thursday, Sept.-Nov. 6:30 p.m., Good Zoo Bldg., Oglebay Park, Wheeling, novice program, Contact Steve Roth, tristatebees@gmail.com.

Upshur Co. Beekeepers Assoc., Monthly Meeting, 3rd Tuesday, 6:30 p.m., Upshur Co. Farm Bureau Bldg. on Rt. 33 between Buckhannon & Weston, terriobennett@gmail.com.

West Central Beekeepers Assoc., Monthly Meeting, 4th Saturday, 1:00 p.m., Two Runs Community Bldg., on Rt. 14, just north of Reedy, Contact Rob, 304-834-4059.

All bee colonies must be registered with the West Virginia Department of Agriculture. Please contact the Animal Health Division at 304-558-2214.

Cattle Sales

Pure Dexter 2-yr. bull, dun, horned, good blood, bred cows & heifers this yr., handles easy, comes when called, good disp., 1,800. Maia Broussard, 1072 Clayton Judson Rd., Alderson, 24910; 919-523-4418.

Polled Hereford: bulls, 2; cow due to calve 11/24 or 12/24, all \$1,800/ea.; reg. Polled cow/calf, \$2,000. Richard Dunn, 68 Tyrone Avery Rd., Morgantown, 26508; 304-594-2603.

Zebu mini cows, cow & calf prs., makes a great birthday or Christmas gift, starting at \$1,000/ea./up. Roy Gibson, 1881 Dog Fork Rd., Kenna, 25248; 304-988-1532.

Reg. Hereford 3/24 & 5/24 bull calves, 2, dark red, dam is dark red Hereford also, pure but not reg., \$1,000/ea. Dwight Huffman, 7976 Blue Lick Rd., Greenville, 24945; 540-726-7577; 304-753-4590.

Charolais 2-yr. bull, dad is pure Charolais, mom is not, dad was over a ton. when sold, beautiful, \$2,000/neg. Margaret Kirby, 8945 N. Calhoun Hwy., Big Springs, 26137; 304-477-3241.

Reg. Black Angus 14-mo. bull w/CED of 10, BW+0.3, WW +54, YW +94, Milk +26, semen tested & vacc., \$2,600, Mark Robinson, 213 Willow Crk. Rd., Sutton, 26601; 304-678-7302.

Reg. Black Angus 13-mo. -14-mo.: bulls, GAR Dual Threat/GAR Hometown/Rito blood, good disp., excel. handling, elec. trained, calving ease genetics, \$2,500; females, open, front pasture, GAR Hometown/Rito/KCF Exponential blood, \$2,100. J. Taylor, 875 Jim Kennedy Rd., Fairmont, 26554; 681-270-0763.

Equipment Sales

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

Farmall A tractor, good running cond., original paint, barn kept, good for restoration, \$1,800. Leon Bennett, P.O. Box 4 Circle Hill, 26804 304-567-2806.

MF '11 tractor, diesel engine, 630 hrs., 5' rear discharge finish mower, 4' brush hog & blade, excel. cond., 10,000. Albert Bessette, 1051 Plumm Rd., St. Mary's, 26170; 304-684-2761.

NI 323 1 row corn picker, shed kept, \$2,500. Lonnie Burns, 712 Charles Reed Rd., Frankford, 24938; 304-646-6877.

Kubota 87300 diesel tractor, 4 WD, 461 hrs., finish mower, blade, \$4,300. Jim Casdorff, 176 Laura Beth Lane, Charleston, 25312; 304-389-1745.

Int'l machinery fertilizer, \$400; Farm King 2 basket tedder G2 DP, \$2,000. Monte Chambers, 3389 Fork Ridge Rd., Moundsville, 26041; 304-218-8647.

Leon 10' front mounted blade, does not angle, has new cutting edge, lift cyl. & brackets to fit 30, 40, 50 & 55 series JD tractors 90 hp/up, was on a 4255 4 WD, \$3,250; JD 51 3-pt. hitch post driver, has open center valve, excel. cond., stored inside, \$3,250; Brush Hog brand 6' pull type brush hog, heavy duty, hyd. lift cyl. included, \$800. Eric Cunningham, 2862 Stewartstown Rd., Morgantown, 26508; 304-282-5194.

Kodiak 5' brush hog, 3-pt. hitch, excel. cond., \$1,200. Robert Danco, 3548 Freedom Hwy., Fairmont; 26554; 304-534-3538

Gravely walk behind, low & high, tiller, 2 mowers, plow, good cond., \$750. Steve Fisher, 3581 Amma Rd., Liberty, 25124; 304-988-0798.

JD 1070, 4x4, 500 hrs., grader blade, ps, barn kept, excel. cond., \$15,500. Bruce Hunt, 202 Joy Lane, Culloden, 25510; 304-205-2483.

MF Dyna Balance 7' mower, all new dedger plates, ready to use, \$700. Wade Leonard, 1031 Isaac Fork Rd., Waverly, 26184; 304-679-5703

King Kutter brush hog stump jumper, \$450; horse drawn trees, 10: dbl. 30/ea.; single, \$20/ea.; 5' snow plow for 4 wheeler, \$65; potato plow, 14" wide, used on a 3-pt. hitch, \$50; lg. wood turn plows, 2, \$150/ea.; lg. metal turn plows, 3, \$100/ea.; horse drawn cultivator, \$100; horse drawn potato plow, \$50. Chip Mallion, 37 Taxidermy Lane, Sutton, 26601; 304-765-7187.

Massey 7' sickle bar mower w/extra blade, \$600; Woods F35 5' belly mower, off of a 86 Int'l, excel. cond., \$300; Gravely model L walk behind w/bush hog, rebuilt motor, rebuilt starter, \$600; rotary plow, potato plow, tiller, dual wheels, riding sulky all extra. Jim Mize, 3838 Lick Crk. Rd., Meadow Bridge, 25976; 304-575-3984.

JD '19 5045E, 27 hrs, 2 WD, \$25,000. George Maury, 890 Maury Lane, New Martinsville, 26155; 304-486-5039; 304-386-4771.

Ford 5600 tractor, 2 WD, good cond., \$8,000. Larry Parsons, 276 Maple Dr., Evans, 25241; 304-372-4575.

Ford 3910 tractor w/Ford loader, pallet forks, bucket, barn kept, original paint, \$15,000; Brush hog, 5', 3-pt hitch tiller, \$2,000; set of 12" plows, \$500. Homer Plumley, 351 Plumley Mountain Rd., Shady Springs, 25918; 304-573-8799.

Kiotti NX5510 4x4 tractor w/loader, 55 hp, diesel engine, garage kept & well maintained, \$32,000. Lisa Powell, 3140 Buffalo Brink Rd., Mannington, 26582; 304-476-1512.

Ford '51 9N w/Sherman trans., big shaft tractor, \$2,200. James Quarter, 3841 Freedom Hwy., Fairmont, 26554; 304-365-4239.

Ford '45 2N tractor, runs, has new tires & rims all around, many new parts, \$3,000. Steve Reed, Box 432, Matheney, 24860; 304-682-7114.

MF 245 diesel tractor, needs rear tires, \$4,000; Enorossie 3-pt. hitch 4 rotor tedder, excel. cond., \$7,800; Woods 7500, 3-pt. hitch backhoe, uses tractor hyd., not self contained hyd., \$4,000. Ed Rukavina, 395 Haymond School Rd., Grafton, 26354; 304-265-5298.

Kubota N4071 deluxe model w/cab & loader, 73 hp, excel. cond., garage kept, \$5,600. Denver Singleton, 907 Total Trace Fork Rd., Bristol, 26426; 304-782-2328; after 6 p.m.

Farmall '57 130, single pt. fast hitch, live hyd., excel. cond., brand new rubber, flip flop plows, 5' disc, \$4,500. Dave Sprouse, 1548 Thistlewood Dr., Hurricane, 25526; 304-539-1052.

Equipment Wants

NH 848 round hay baler. Elijah Chapman, 4309 Clymers Crk. Rd., Hurricane, 25526; 304-562-6681.

JD 4010 or 4510 tractors; shifter for a 14" Williams stone burr; handle for a JD 1B floor model corn sheller w/round hole in the handle. Harold Farnsworth, 38 Trainer Rd., Buckhannon, 26201; 304-940-0994.

Farmall 10 A series tractor for parts. Dwight Samples, 9933 Prociuous Macel Rd., Prociuous, 25164; 304-548-4815.

Farm Sales

Barbour Co.: 100+/- A., barn, watering troughs & pond, hay pasture & woodland, Co. Rd. access, \$500,000. Gary Phillips, 301 Jenny St., Philippi, 26416; 304-823-2020.

Goat Sales

Kiko/Boer cross, \$160/up. Gerry Davis, 511 Lone Wolf Trail, Maysville, 26833; 304-851-2956.

Saanen/Alpine cross: 3/23 bucks, \$100; wethers, \$100/obo. Susan Frick, 131 Stiles Fork Rd., Metz, 26585; 304-816-1128; 681-332-6128.

Milking goat, 1st lactation, milking around 3 qts./day, \$500; 4/24 doelings, 2, \$250/ea. Daniel Kinsinger, 560 Baker Hill Rd., Ballard, 24918; 304-832-6465.

Pure reg. Kiko/Saanen/Sable: doelings, proven breeders, \$275/up; bucklings & wethers, \$120/up, herd tested Johnes/Bruceellosis/CAE/CL neg., selected for hardy growth on pasture/hay, vacc., del. avail. Hope O'Toole, 595 Luther Heishman Rd., Baker, 26801; 304-897-7073.

Kiko/Nubian 6-mo. doelings & wethers, parasite resistant, CD&T current, \$150-\$200/ea. Jeremy Vance, 827 Guy Dice Rd., Harman, 26270; 304-704-7667.

Hog Sales

York/Tamworth 13-wk. pigs, \$90. Benjamin Dickenson, 2165 Zion Mountain Rd., Hinton, 25951; 304-660-5686.

Horse Sales

Cross bred horse, older, \$500/obo. Milton Yoder, 295 Seminole Rd., Forest Hill, 24935; 304-466-0611.

Poultry Sales

Rhode Island Red & Black 2-yr. -3-yr. laying hens, \$5/ea. Albert Bessette, 1051 Plum Rd., St. Mary's, 26170; 304-684-2761.

Sheep Sales

Katahdin 5-yr. & 6-yr. white ewes, \$120/ea. or \$225 both. David Duncan, 1610 Eads Mill Rd., Princeton, 24739; 304-913-4355.

Suff./Hamp. 1/24 & 4/24 replacement ewes, sired by polled Dorset ram, \$350/ea. Kim Kellison, 3937 Butler Mountain Rd., Renick, 24966; 304-661-1387.

Katahdin/Dorper cross 6-mo. lambs, CD&T current, various colors, \$200/ea. Jeremy Vance, 827 Guy Dive Rd., Harman, 26270; 304-704-7667.

Pure North Country Cheviot ram lambs, \$275/ea. Ronnie Vance, P.O. Box 244, Seneca Rocks, 26884; 304-567-2618.

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 will be accepted.

Hay, 1st cut, sq. bales, never wet, mixed grass, barn kept, \$4.50/bale. Roscoe Beall, 1648 Cortland Rd., Davis, 26260; 304-866-4188.

AKC Corgis, males & females, vacc., microchipped, dewormed & 1-yr. health guarantee, \$1,000. Kayla Campbell, 18 LaPoe Village, Core, 26541; 304-288-4289.

Acreeage, Raleigh Co.: 93 A., no structures, borders Rt. 3 between Beckley & Whitesville, short driving distance to Stephens Lake, \$89,000. Lillian Clay, 4820 Cicerone Rd., Charleston, 25320; 304-988-9293; lillianacly@gmail.com.

Pasture drag, made out of old tires, works good, 6'x9', \$75; salt feeder w/a metal roof, made out of treated lumber, stands about 5' or 6' tall, \$200. Steve Feaster, 44 Buckhannon Lane, Keyser, 26726; 304-790-2999.

Hay, sq. bales, mixed meadow grass, barn kept, approx. 100 bales, \$4.25/bale. Randall Grimm 1209 Sunnyside Rd., West Union, 26456; 304-873-2124.

Maple syrup, pure WV: \$20/qt.; \$11/pt.; \$6/½ pt.; \$3.25/100ml. Karen Hartman, 1761 Burgess Hollow, New Creek, 26743; 304-788-1831.

Mann Lake unpainted 10-frame top feeders, 3, \$20/ea.; Pro Frame feeders, 2, \$10/ea. Kelly Hawk, 4158 Sliding Hill Crk. Rd., Letart, 25253; 304-812-6811.

Reg. Mountain Cur 2-mo. pups, \$100/ea. Bill Jones, 5471 Vaughn Rd., Belleville, 26656; 304-632-1694.

Horse hames, brass knob, \$35/set. Chip Mallion, 37 Taxidermy Lane, Sutton, 26601; 304-765-7187.

Acreeage, Doddridge Co.: 120 A. w/1 rm. cabin, in the Miletus/Indian Fork area, no util./mineral rights, \$180,000. Juanita McKown, 104 Sun Run Tyler Fork, Mt. Clare, 26408; 304-677-9837.

Cart & harness, horse sized, Amish wheels, \$700. Carter Miles, 346 Sugar Tree Rd., Grif-fithsville, 25521; 304-524-2430.

ASDR & CKC reg. Aust. Shep. pups: tails docked, vacc./wormed, merles, \$500; tri, \$400. Vicki Mitchem, 229 Stoney Crk. School Rd., Alderson, 24910; 304-575-6036.

Black Walnut Kernels, vacuum sealed 1 lb. package, \$15, plus postage. Calvin Morrison, P.O. Box 877, Jane Lew, 26378; 304-884-7444.

Free Bamboo, live or dried, you dig. Hope O'Toole, 595 Luther Heishman Rd., Baker, 26801; 304-897-7073.

Trailer, 13-ton, pencil hook & air brakes, \$1,500. James Quarter, 3841 Freedom Hwy., Fairmont, 26554; 304-365-4239.

Apples: Staymen, Cameo York, Gold Rush Pink Lady, \$8/bu.-\$15-bu bring containers, call for availability, Paula Ruggles, 131 Ruggles Orchard Rd., Levels, 25431; 304-492-5751.

CKC Red & Blue Aust. Heelers out of working stock, health guaranteed, excel. farm, family & companion dogs, older pups available, \$350/up. Judy Saurborn, 454 Cobun Crk. Rd., Morgantown, 26508; 304-288-1179.

Miscellaneous Wants

Bumper hitch trailer w/bed or wheels, 2 on ea. side, preferably in Randolph Co. Tom McLaughlin, 32 Walker Lane, Beverly, 26253; 304-636-4697.



EXTENSION

Women in Agriculture Conference

REGISTER NOW!


NOV. 15-16, 2024

The Blennerhassett Hotel
Parkersburg, West Virginia

For more information, contact:
Emily Morrow at Emily.Wells@gmail.com www.wvu.edu,
304-728-7413 or go to
extension.wvu.edu/women-in-agriculture

APPRENTICE/AUCTIONEER EXAM
November 14
Guthrie Agricultural Complex
217 Gus R. Douglass Lane
Charleston, WV
Registration begins at 8:30 a.m.
Written Exam begins at 9:00 a.m.
Oral Auctioneer Exam 12:00 p.m.

Pre-Exam Review (Sponsored by the WV Auctioneers Association)
November 13
Guthrie Agricultural Complex
217 Gus R. Douglass Lane
Charleston, WV
6:30 p.m.

 **West Virginia DEPARTMENT OF AGRICULTURE**
COMMISSIONER, KENT A. LEONHARDT

RETURN SERVICE REQUESTED

GARDEN CALENDAR

NOVEMBER/DECEMBER

2024 WVU Extension Calendar content developed by WVU Extension, and the WVU Agricultural and Natural Resources



- NOV. 2** Plant leeks in cold frames.
- NOV. 4** Plant short-day onions in cold frames.
- NOV. 5** Remove stakes and trellises.
- NOV. 6** Mulch carrots for winter use.
- NOV. 7** Fertilize under deciduous trees and shrubs.
- NOV. 8** Water trees and shrubs thoroughly if fall has been dry.
- NOV. 9** Remove diseased plant debris from garden.
- NOV. 11** Apply lime and fertilizer according to soil test.
- NOV. 12** Winterize garden tools.
- NOV. 13** Harvest parsnips.
- NOV. 14** Harvest Brussel sprouts.
- NOV. 15** Mulch strawberries.
- NOV. 16** Mulch thyme plants before winter.
- NOV. 18** Turn compost.
- NOV. 19** Mulch perennial beds.
- NOV. 20** Harvest salad greens from high tunnel.
- NOV. 21** Cut hardy chrysanthemums to 2 or 3 inches and mulch.
- NOV. 23** Mulch perennial herbs.
- NOV. 25** Fertilize houseplants.
- NOV. 26** Mulch garlic.
- NOV. 27** Store winter squash and gourds for winter.
- NOV. 30** Harvest parsnips.
- DEC. 2** Protect shrubs from harsh weather.
- DEC. 4** Mulch hybrid roses.
Select cut Christmas tree with flexible needles.
- DEC. 5** Winterize garden tools.
- DEC. 6** Mulch perennial herbs.
- DEC. 7** Begin harvest of high tunnel carrots and lettuce.
- DEC. 9** Buy live Christmas tree.
- DEC. 10** Store leftover and saved seed in cool, dry place.
- DEC. 13** Harvest Brussel sprouts.
- DEC. 18** Turn compost.
- DEC. 26** Plant live Christmas tree.

West Virginia University Extension creates and distributes free garden calendars each year. Stop by your local WVU Extension office to get a copy (while supplies last).

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