Aggregation facilities, high tunnels, greenhouses will all play a role in West Virginia’s Agriculture future

As summer 2014 quickly approaches, crops have been planted and we too are watching the sprouts grow on projects that will make up a significant part of Agriculture’s future in West Virginia.

We are working diligently to establish a network of aggregation facilities at a handful of locations across the state.

The first area we have targeted is Huntington. It is our intention to have a facility up and running in time for this fall’s harvest.

Myself, along with a number of other WVDA employees, are working to make this happen and we have recently met on a couple of occasions with farmers, WVU Extension agents, USDA, city and county officials, private business owners and others to move this process forward.

While we know the first season won’t produce huge numbers, we have to get started here in West Virginia and we’re going to do just that in Huntington.

That aggregation facility will serve as a hub for producers to begin bringing their goods from Cabell, Wayne, Mason, Lincoln and Putnam counties, and being able to sell them to distributors from across the state at a fair price.

Once we get Huntington up and running we are looking towards establishing other aggregation sites to serve every section of our state.

Many, many times since I’ve taken office I’ve said we have to capitalize on the tremendous opportunity Agriculture has here in West Virginia. Aggregation sites are just one of the steps to make that happen.

Farmers out there continue to tell me they can and will grow it if they have a buyer. We’re going to do just that.

HIGH TUNNELS, GREENHOUSES

Did you know that neighboring states with similar, or even colder, climates in the winter months are growing hundreds of millions of dollars annually in products while in West Virginia we are doing approximately $26 million?

It’s true.

It is our responsibility to expand the number of high tunnels and greenhouses operating in our state and I have assigned specific tasks to WVDA employees to move us forward.

Recent discussions with the USDA and NRCS reveal that special financing and grants are available for these specific operations.

FUNDING SECURED FOR PREDATOR CONTROL, BLACK FLY SPRAYING

I’m pleased to inform you that funding has again been secured for both predator control and black fly spraying. While both of these programs are extremely important, continual cuts to our budget have put funding for both of these services in jeopardy.

STRAWBERRIES

For the first time in many years, the West Virginia Strawberry Festival had a festival- and city-sanctioned retail sales location for West Virginia Grown strawberries. The WVDA put much of the initiative into this project, and I’m very pleased with the cooperation exhibited by all parties, especially members of Upshur County FFA, who worked the better part of two days selling berries at the tent next to the Upshur County Courthouse (see story on page 2).

The sale was open to any interested West Virginia berry grower, and it took in nearly $1,000 over two days. Organizers tell me berries were selling steadily at $5 a pint, which is a very good price for farmers. But I’m not surprised given the cost of everything else during any festival.

We’d certainly like to see this success replicated and expanded upon next year. We’ll be in consultation with everyone in Buckhannon to once again make local berries the centerpiece of this grand festival.

QUESTIONS ABOUT PLANTS, PESTS? CALL THE WVDA

Do you have questions about your plants? Or maybe you have pest problems? WVDA’s Plant Industries Division can probably help with either topic. You can reach them at 304-558-2212.
West Virginia Grown Berries Sell Well at 73rd Strawberry Festival

West Virginia Grown strawberries made a commercial comeback at the 2014 West Virginia Strawberry Festival. Nearly $1,000 worth of berries were sold over two days, thanks to the efforts of the West Virginia Department of Agriculture (WVDA), the Festival Board, the City of Buckhannon and Upshur County FFA. “It was difficult getting berries lined up, as I expected,” said WVDA sale coordinator Buddy Davidson. “The festival is scheduled a bit early in the growing season, and some of the growers had issues with blight and, of course, deer - which are an enormous problem for farmers and gardeners throughout the state.”

Davidson said he thinks the concept can be expanded next year to include other retail locations throughout the city. Eventually, he would like to see the strawberry shortcake sales held by numerous church and civic group source their berries from West Virginia growers. “I think we’ve proven that fresh, local berries are a far superior product to what festival-goers are accustomed to, and that buyers are willing to pay a premium in that environment. We have a receptive customer base, a built-in sales force in the FFA chapter that can use the opportunity as a fund-raiser, and we have the capability to grow the berries,” he said.

Historically, area growers provided all the berries eaten at the festival, and shipped a surplus to out-of-state markets. He noted that approximately 200 pints of berries were sold over two days in one location for $5 a pint. “I think that’s a price that should entice growers to get involved next year,” he said.

WVDA Animal Health Lab Among Elite in the Nation

The Moorefield Animal Health Diagnostic Laboratory has successfully met the evaluation criteria and requirements to continue to be an approved laboratory of the National Animal Health Laboratory Network (NAHLN) through April 30, 2015. There are only 54 NAHLN labs in the United States, and only 250 microbiologists in the United States that are proficiency tested to perform Avian Influenza and Exotic New Castle Disease testing. Four of these microbiologists are in the Moorefield Lab. This is quite an achievement and extensive work with documentation and quality management system. WVDA Animal Health is very proud of this accomplishment.

Huntington’s Wild Ramp opens doors at new location

The Wild Ramp recently opened its doors at a special ribbon cutting ceremony at its new location at the Central City Market on the West End of Huntington. This farmers’ market has finally found a home after 22 months and has so far provided almost $400,000 in sales to local goods and food producers since it opened in 2012.

Jefferson County Extension to host fruit drying workshop

The Jefferson County Extension Service will host a fruit drying workshop at its office in Kearneysville Tuesday, July 8 from 8:30 a.m. – 3:30 p.m. Pre-registration by July 3 is required. Cost is $15 and includes lunch and class materials.

Topics will include product and process development, ingredients, product safety and safe storage and handling. Presenters will include WVU Extension Food Safety Specialist Litha Sivanandan, Ph.D., West Virginia Department of Agriculture Marketing (WVDA) Specialist Teresa Halloran, WVU Assistant Professor Kaushlendra Singh, Ph.D., and WVU graduate student Alexandra Smith.

For more information, contact April Blaker at 304-728-7413, ext. 0, or alblaker@mail.wvu.edu.
Floating Row Covers for Home Vegetable Growers

Doug Jolley, Plant Regulatory Officer, WVDA Plant Industries Division

Gardeners continually seek out methods to prolong the growing season and to protect crops from pests. Floating row covers are products which are readily available and are useful in a variety of applications. Often these products are promoted as insect barriers. Not only do row covers provide crops with protection from insect pests, they provide many cultural benefits too.

One simple benefit provided by row covers is that of moisture conservation. Floating row cover can be placed directly over a newly planted seed bed or row. The row cover can also be doubled when used as a seed germination enhancer. The presence of this thin layer slows evaporation from the surface of a planting bed. Seed which is sown directly on the surface of the soil is protected from desiccating winds and breezes. Row cover which is applied directly to the soil should be placed loosely. This will allow newly germinating plants to grow while lifting the row cover during the process. If using double row cover layers, one layer should be removed once seed germination has occurred. Additionally, the presence of the row cover itself, whether draped over a crop or supported by a framework, conserves water. Row covers complement mulching techniques.

Row covers protect crops from insect pests. To be effective, row cover fabric must be free from flaws. While row covers effectively keep insects away from plants, a small tear or opening will allow pests to reach a crop. Additionally, the periphery of the entire covered bed needs to be sealed at the soil line. There are many options to create this seal. One can purchase ground pins or row cover stakes. A gardener can also use boards, bricks, stones or soil to cover the edges of row cover. Since wind can blow through the fabric, well-sealed rows usually remain intact regardless of weather conditions.

Good garden hygiene practices also compliment the effectiveness of row covers. Gardens, raised beds or any planting areas should be tended to well ahead of planting. Fall tilling allows winter weather and predators to lower insect pest and weed populations. If possible, the planting sites should be well tilled and weeded immediately prior to planting and the application of the row cover. Should an insect pest be detected or weedy growth occur, row covers are easy to pull back and the proper control measures taken or weeding done and the cover replaced.

With row cover use, planting and harvesting timeframes can be greatly extended. Depending upon the weight of row cover selected, these covers can provide a 2 to 7 degree level of protection. For late fall and winter crops, multiple layers of fabric will provide even more protection.

Gardeners should see higher crop yields with the use of row covers. Healthy, pest free plants are more productive than stressed plants. Not only are yields greater, the crops are significantly cleaner and blemish free. This is an important dividend for growers taking crops to market.

Two systems of row cover application and two lengths of crop coverage are generally followed. As previously mentioned, the lightest row covers can be placed loosely over a seed bed. A generous amount of extra material will allow plants to germinate and have ample room to lift the cover as they grow. Many means of support for row cover are available to physically hold row covers off growing plants. Commercially available hoops and supports are available for purchase. Imaginative growers can devise support systems using plastic pipe, bent wire or welded wire to act as fabric support. Row covers are amenable to a wide variety of placement techniques.

The length of time that a row cover remains in place is most simply determined by whether or not a particular crop needs to be pollinated for maturation. Vegetables such as early greens and cole crops can remain covered right up to harvest. With leafy salad crops, row covers may be partially removed, the desired amount of material harvested, and then the bed is re-covered and sealed. Cole crops (broccoli, cabbage, cauliflower, kale) can be treated the same way. Early crops can also be harvested and a new bed prepared for a successive planting. Crops which require pollination such as bush beans can remain covered until the first flowers appear. The row cover can then be removed entirely at this time. Commercial sweet corn growers in West Virginia are realizing up to a 2½ week earlier harvest timeline by using row covers.

Two sources for floating row covers are garden centers and seed companies. Row covers are available in different weights per square yard. Floating row covers usually are listed at 0.55 ounces per square yard. This weight allows for maximum light and water to pass through the material while affording two to four degrees of frost protection. Heavier weighted fabrics give higher frost protection but less light is transmitted. Heavier fabrics are useful in extending crop yields late in the growing season and into early winter.

Two disadvantages to the use of row covers most commonly include the inconvenience of the application of the fabric, weed growth and insect proliferation beneath the cover. Proper site preparation and monitoring of conditions through the growing season beneath the cover can serve to offset such problems. The effort to properly apply row cover is often rewarded with increased yields and healthy blemish free crops.

In West Virginia, home vegetable growers can and are literally employing row covers year round. For more information concerning row covers, contact the West Virginia Department of Agriculture, Plant Industries Division at (304) 558-2212.

**WV Woodland Owners Assoc. 2014 Educational Tours**

**Hardy County:**
Sat., June 14, 2014, 10 a.m.-1 p.m.

**Tucker-Randolph County:**
Sat., July 19, 2014, 10 a.m.-1 p.m.

**Nicholas County:**
Sat., September 27, 2014, 10 a.m.-1 p.m.

Watch for more information at [www.woofwv.org](http://www.woofwv.org) or contact Dan Magill at 304-293-9419 or dmagill@wvu.edu

RSVP to Magill by phone or email if you are attending.
USDA Announces Effort to Cut Energy Costs for Farmers, Ranchers, Rural Small Businesses

Up to $12.3 Million in Grants and $57.8 Million in Loan Guarantees Available In Rural Energy for America Program

Agriculture Secretary Tom Vilsack recently announced that USDA is seeking applications from rural small businesses and agricultural producers for funding to make energy efficiency improvements or to install renewable energy systems.

"Developing renewable energy presents an enormous economic opportunity for rural America," Vilsack said. "This funding will help farmers, ranchers and rural small business owners incorporate renewable energy and energy efficiency technology into their operations, create jobs and help America become more energy independent. When small rural businesses and farmers cut their energy costs with cleaner and more efficient energy, we are both helping their bottom lines and reducing the amount of greenhouse gas pollution that affects our climate."

The funding is being provided through USDA’s Rural Energy for America Program (REAP). Investments from programs like REAP help support the true engine of America’s economic growth, a thriving middle class. REAP is one of many USDA programs and initiatives to support an expanded domestic energy economy. In addition to helping to increase renewable energy production, USDA makes investments in the bioeconomy, provides support for the emerging biobased products industry, supports new technologies, and supports energy efficiency improvements.

REAP funding has helped farmers expand renewable energy use in recent years. The new Census of Agriculture shows the number of farms utilizing renewable energy production has doubled in the last five years. More than 57,000 farms reported using a renewable energy system in 2012, while 23,451 operations reported doing so in 2007. Solar panels accounted for 63% of renewable energy systems on farms, with 36,331 farms reporting their use.

REAP funding is an example of the many ways that USDA is helping revitalize rural economies to create opportunities for growth and prosperity, support innovative technologies, identify new markets for agricultural producers and better utilize our nation’s natural resources.

Created by the 2008 Farm Bill, REAP was reauthorized by the recently passed 2014 Farm Bill. For fiscal year (FY) 2014, USDA plans to award up to $12.3 million in grants and $57.8 million in loan guarantees. Additional REAP funds provided by the Farm Bill will be made available with a subsequent notice.

USDA is accepting applications for:
- Renewable energy system and energy efficiency improvement loan guarantee and grant combinations;
- Renewable energy system and energy efficiency improvement loan guarantees; and
- Renewable energy system and energy efficiency improvement grants.

Requests for grants may not exceed 25 percent of a project’s cost, either for stand-alone grant requests or for grants combined with loan guarantees.

Information on how to apply for REAP funding and on the application deadlines (which vary by project type) is available on page 25564 of the May 5, 2014 Federal Register.

USDA requires that cattle be officially identified before crossing state lines

The U.S. Department of Agriculture’s (USDA) Animal Disease Traceability (ADT) rule states that effective March 11, cattle moved across state lines are required to be officially identified and accompanied by an interstate certificate of veterinary inspection (ICVI). Cattle affected by this rule include: sexually-intact beef cattle over 18 months of age, all dairy cattle, and all cattle being moved for shows, rodeos or other exhibitions.

Current exemptions to the rule include beef cattle under 18 months of age and cattle moving directly to a recognized slaughter establishment.

Official identification is an official ear tag. This can be either a metal NUES “brute” tag or a tag that bears a 15 digit identification number beginning with 840. The ear tag must also have the official ear tag shield imprinted on it. In order to purchase official ID tags, cattle owners must have a premise identification number.

For more information, contact Burke Holvey at 304-269-0598. For information on a Premise ID Number (PIN) contact Shelly Lantz at 304-558-2214.
June is Dairy Month!
Jean Smith, Director, WVDA Marketing & Development Division

This is a great way to expand the buying of local products campaign! Our commodity products pair very well with the abundant fruits, vegetables and herbs of summer. It certainly points out the importance of No Farm – No Food!
Be sure to thank our farmers for their hard work! This month’s recipes will highlight our West Virginia commodities and specialty crops. – Happy Cooking!

Recipes

Sirloin Steak and Tomato Salad
Recipe compliments: Beef It’s What’s For Dinner

The steak of your choice atop a bed of arugula gets a flavor boost from balsamic and Parmesan.

1 beef top sirloin steak, boneless, cut ¾" thick (about 1 pound)
2 medium onions, cut into ¼" thick slices

Brush onion slices with 1 tablespoon vinaigrette; set aside. Press chile powder onto beef steak. Place steak in center of grid over medium, ash-covered coals; arrange onions around steak. Grill steak, covered, 11-15 minutes (over medium heat on preheated gas grill, 13-16 minutes) for medium rare (145°F) to medium (160°F) doneness, turning occasionally. Grill onions 13-15 minutes or until tender, turning occasionally.

Separate onion slices into rings. Carve steak into slices. Season beef and onions with salt and pepper, as desired.
Toss salad greens with remaining ½ cup vinaigrette and divide among 4 salad plates. Top with tomatoes, onions and beef.

Recipes

Beef and Blue Cheese Stuffed Mushrooms
Recipe compliments: Beef It’s What’s For Dinner

These perfectly bite-sized mushrooms are stuffed with a savory blend of ground beef, blue cheese and chives.

½ pound ground beef
⅛ teaspoon salt
36-40 small button or cremini mushrooms (about 1½-2" diameter)

Preheat oven to 375°F. Remove and reserve stems from mushrooms. Season mushroom caps with salt; set aside. Mince stems to yield ½ cup; discard remaining stems.
Combine ground beef, minced stems, blue cheese, bread crumbs, 3 tablespoons chives and steak seasoning. Spoon beef mixture evenly into mushrooms. Place stuffed mushrooms on rack in broiler pan. Bake in 375°F oven 15-20 minutes. Sprinkle with additional chives, if desired.

Recipes

Rhubarb Cheese Pie
Recipe Compliments: National Dairy Council

Preheat oven to 350°F. Combine rhubarb, ½ cup sugar and flour in a non-stick skillet. Cook over medium heat until sugar melts. Pour into bottom of prepared pie crust. Meanwhile, beat together cream cheese, ½ cup sour cream and ½ cup sugar until fluffy. Add eggs, one at a time, and 1 tablespoon vanilla until blended. Pour over rhubarb layer. Bake 30 minutes or until puffed and golden.

Recipes

Colby Cobb Salad
Recipe Compliments: National Dairy Council

Salad dressing:
2 cups fat-free plain yogurt, divided
4 large basil leaves
⅛ cup parsley, stems removed
2 tablespoons chopped chives
1 tablespoon lemon juice
1 teaspoon honey
½ teaspoon freshly ground pepper
2 tablespoons fat-free mayonnaise
½ teaspoon salt (optional)
½ teaspoon additional pepper (optional)

Salad:
8 cups chopped romaine lettuce (1 small head)
½ cup halved cherry or grape tomatoes
¼ cup thinly sliced red onion
1 cup diced cucumber
2 slices cooked turkey breast, cut into strips
2 tablespoons bacon bits
1 egg, hard boiled and chopped
1½ cups shredded Colby or Colby Jack cheese

Dressing:
Place 1 cup of yogurt, basil, parsley, chives, lemon juice, honey and pepper in a blender or food processor. Cover and pulse until smooth (dressing will be green in color). Pour yogurt mixture into a medium bowl; stir in remaining yogurt and mayonnaise until just blended; refrigerate until ready to serve. Pour over salad.

Note: Dressing may be prepared up to 2 days ahead and stored in an airtight container in the refrigerator.

The Market Bulletin
APIARY SALES

Honey bees, 4 frame brood & bees, 1 frame honey/pollen & healthy open mated Italian queen, NUCs will be available 6/14, $125. Thomas Bartram, 515 Trace Brance Rd., Fort Gay, 25514; 277-8112. Processing equip., stainless steel, hives plus supers, both complete, $7,800. Delbert Bennett, 983 Deerwalk Hwy., Waverly, 26184; 464-4609. Honey house, 8’x32’ trailer, 2 rms., ea. has outside entry door, in-door entry between rms., lg. rm. has closet, new paint/flooring/outlets/receptacles/ window/ac, baseboard heat, 60 amp elec. service, $4,200. Dave Sheppard, 427 Stemphland Lane, Mineral Wells, 26150; 489-2187.

CATTLE SALES


Highlands Apicultural Assoc.
Monthly Meeting
3rd Wednesday, 6:30 p.m.
WWU Ext. Office Meeting Rm.
Contact Ben McKean, 227-4414; hiapas@yahoo.com.

Jackson County Beekeepers Assoc.
Bi-Monthly Meeting
June 10, 6 p.m.; 7-30 p.m.
McDonald Bldg.
Jackson Co. Jr. Fairgrounds
Cottageville, W.Va.
Contact Jeff Crum 531-0018.

Kanawha Co. Beekeepers Assoc.
St. Albans, W.Va.
Contact Steve May, 727-7659; kawahvalley.beekpeakers@yahoo.com.

Marion Co. Beekeepers Assoc.
Monthly Meeting
4th Thursday, 7 p.m.
Pleasant Valley Municipal Bldg.
Speaker: Dr. James Armrime
WWU Professor Emeritus
Kingmont, W.Va.
Contact Tom Kees, 363-4782 beesnbarks70@gmail.com.

Marion Co. Beekeepers Assoc.
Field Day
A Look Through The Hive Finding the Illusive Queen
June 21, 10 a.m. to 12 p.m.
MCBA Beeyard - 3 Springs Farm
Fairmont, W. Va.
Contact Tom Kees, 363-4782 or Nancy Postlewait, 366-9938 lpostlewait@aol.com.

Mercer Co. Beekeepers Assoc.
Monthly Meeting
First Monday, 7 p.m.
Contact Bill Cockerman, 425-6389 blackoak85@gmail.com.

Nicholas Co. Beekeepers Assoc.
Monthly Meeting
3rd Monday, 7 p.m.
 Summersville Public Library
Summersville, W.Va.
Contact Joe Strickland, 649-4717.

Monthly Meeting
3rd Monday, 7 p.m.
Harrison Co. 4-H Center
Clarksburg, W.Va.
Contact Michael Staddson, 782-9610.

Potomac Highlands Beekeepers Assoc.
Monthly Meeting
3rd Thursday
Bank of Romney Comm. Center
Romney, W.Va.
Contact Elvin Rose, 434-2520; emrose0205@yahoo.com or potomachighlandsbeekpeakers.webly.com

Preston Co. Beekeepers Assoc.
Monthly Meeting
3rd Thursday, 7 p.m.
Preston Co. Ext. Office
Contact Don Cathell, 454-9695.

Southeastern Beekeepers Assoc.
Monthly Meeting
2nd Thursday, 7 p.m.
Osteopathic School-Alumni Center
Lewisburg, W.Va.
Contact Mary Holesapple, 772-3272; maryholesapple@frontier.com

Tri-State Beekeepers Assoc.
Monthly Meeting
3rd Thursday, 7 p.m.
Good Zoo Bldg. - Oglebay Park
Wheeling, W.Va.
Contact Steve Roth, 242-9867; sroth29201@comcast.net.

Upshur Co. Beekeepers Assoc.
Monthly Meeting
3rd Tuesday, 6:30 p.m.
W.Va. Farm Bureau Bldg.
Buckhannon, W.Va.
Contact Roy Carder, 472-7413.

West Central Beekeepers Assoc.
Monthly Meeting
4th Saturday, 1 p.m.
Roane Co. Committee on Aging Bldg.
Spencer, W.Va.
Contact Dale Cunningham, 354-6916 janingharm46@yahoo.com.

APIARY EVENTS

Barbour Co. Beekeepers Assoc.
Monthly Meeting
4th Thursday, 7 p.m.
Barbour Co. Fairgrounds
Belington, W.Va.
Contact David Proudfoot 823-1460; dp-font@hotmail.com.

Monthly Meeting
1st Monday
Braxton Co. High School, Vo-Ag Rm.
Contact Susan Bullion, 452-8508; billandseaullion@frontierlnet.net.

Clay Co. Beekeepers Assoc.
Monthly Meeting
2nd Monday, 6 p.m.
Clay County Senior Center
Beginner/Intermediate Classes
May 5, 6 p.m.
Contact John Fruitt, 587-2451 jfruitt@frontier.net.

Gilmer Co. Beekeepers Assoc.
Monthly Meeting
3rd Tuesday, 6 p.m.
Gilmer Co. Public Library
Glenville, W.Va.
Contact Bobbi Cottrill, 482-7416; bootnill119@hotmail.com.

HARRIET COTTRILL
Cattle Sales

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

Kubota '04, 4330 tractor w/cab, loader, 4WD, heat, AC, radio, 43 hp, 1,359 hrs., new front running gears, $25,000. Brian Alt, 7140 Franklin Pike Rd., Petersburg, 26847; 68-5495.

Case David Brown tractor, $6,500; Case manure spreader, wheel driven, $1,200. Int. bottom ploows, $590; NH 273 super sweep baler, $3,000. Ronnie Annon, 1014 Annond Rd., Newburg, 26410; 892-3990.

Cub Cadet tractor, older model, motor runs good, has a crack in the diff. housing w/planer, sickle bar, disk & other parts. $750. Steve Barnett, 49 Dr., Scott Depot, 25650; 757-6744.

Bolens 1669 Hydro tractor w/48" mower deck, 2 rear tillers w/drive shafts, 1 mower deck or parts and one needs rework, 48" blade, 3, 1,400 series tractors for parts, misc. parts, $1,500/ftm. Bob Brice, 2506 Hood Avenue, Shinnston, 26431; 672-2759.

NH 56 hay rake, 3.6 hitch, PTO, good cond., $1,800. Arthur Bolyard, 112 Jesse Rd., Jane Lew, 26378; 884-7643.

MF 6 disk, excel. cond., $850. Tom Canterbury, 242 Canterbury Lane, Gallipolis Ferry, 25515; 675-7217.

65 Hay baler, $800. Bobby Carpenter, 100 Big Laurel Rd., Griffinsville, 25521; 524-2776.


Vemee 540L silage baler, 4x5 bales, excel. cond., $10,000. Cliff Crane, 143 Spiker Rd., Bruce- ton Mills, 26325; 379-4482.

MF gas tractor, good cond., nice tires, $3,000. Kevin Cummings, 110 Walnut St., Evans, 25241; 372-8615.

Ford 532 sq. baler, $1,600. Bobby Daniels, Box 214, Fairdale, 25839; 575-7585.

NH 273 baler, last used 9/13, kept ship, $750. Francis Daniels, 1069 Snake Run, New Milton, 26114; 871-1349.

Troy-Blit Bronco tiller, 5 hp, rear tires, $300. Michael Danko, 12 Guess Dr. Fairmount, 25654; 534-5321.

NH 630 round baler, $6,000. Bob Davis, 334 David Lane, Independence, 26374; 612-9464.

Kubota '07, L3640HST tractor w/cab & heat/radio in cab, 4 WD, LA724 frontloader, w/Woods RB72 blade, HSST2 brush hog, excel. cond., 369 hrs., $24,500. Zach DePolo, P. O. Box 4610, Bridgeport, 26330; 842-9992.


CountyLine 6' finish mower, excel. cond., $1,450. Guy Dillon, P.O. Box 547, Fort Gay, 25514; 417-9257.

Zetor 165 56" drum mower, field ready, good cond., ship kept, $1,500. William Edmond, 1215 Au- dra Park Rd., Belington, 26520; 832-1308.

NH 311 sq. baler, short tongue w/super sweep pickup, field ready, tight consistent bales, $3,000; NI 4150 hay rake, side deliv., good cond., $1,000, can send pictures. Chris Figgatt, 237 Figgatt Lane, Charleston, 25313; 554-6622.

Case David Brown 995, w/Case loader, $6,500. Harold Foreman, 205 3rd Ave. Elkins, 25607; 543-2192.


JD 2750 turbo diesel tractor, 75 hp, 2 WD, good rubber, 8 forward gears & 4 reverse, rack and pinion axle w/4 wheel wts., fenders, open canopy, $9,000. Larry Gibson, 8600 Sissonville Dr., Charleston, 25360; 988-1988.

NH 707 chopper w/comb & hay pickup head, $1,500; Ford 505 chopper, $500; Farmall 300 trac- tor, good sheet metal, 780/ftm., NI 40' hay & grain elevator, $1,500. Chuck Glenn, 500 Locust Hill Rd., Chester, 670-0963.

Compact 65 Hayliner sq. baler, has a bro- ken needle, $900. Randall Grimm, 1209 Sunnyside Rd., West Union, 26546; 873-2124.

JD 8 snow blade for front loader, $1,850. May- nard Hammon, 2386 Hickory Flat Rd., Buckhannon, 26201; 472-3398.

213 manure spreader, PTO driven, excel. cond.; barn kept, $3,500. Larry Kemper, HC 34, Box 354, Lewisburg, 24901; 497-3639.

Mahindra 2615 tractor, 4 WD w/oader, 164 hrs., $9,500; bush hog, 4', excel. cond., $650; Troy-Blit sickle blade, 42", walk behind, $200; bush hog flail mower, 50", pull behind 4-wheeler, $500. N. Ket- chum, 8 Mockingbird Dr., Milton, 25541; 743-9986.

Ford 5610 tractor, 62 hp, 1,026 hrs., excel. cond., $15,000; MF sq baler w/Wisconsin engine, $400; wheel rake/tedder, good cond. manure spreader, ground driven, $350; 3-pt. post digger w/12" & 4" augers, $250, Reed Kimble, P.O. Box 223, Peters- burg, 26847; 257-4322.

Ford 7' side mower for tractor, ship kept, $1,850. Ronald Lee, 105 Helmsdale Rd., French Creek, 26218; 472-7176.

Ford 501 7' rear mower, $600. Harley Lemas- ters, 52 McKnight Dr., Wellsburg, 26070; 394-1234.

Troy-Blit tiller, 8 hp, new.eng. on older frame, $750. David Lester, P.O. Box 216, Enterprise, 26568; 592-2693; davidlester@aol.com.

Int. 424 tractor w/oader, 4-cyl., gas eng., PS, 2 WD, 8-speed trans., hyd. lift & hitch, $1,500; 3-pt. hitch, live PTO w/oader, $600; bottom plows, $600; NH sq. hay baler, $2,700; side-delivery rake, $850, tedder, $6,500; hay crimper, $275; pig pole, $110; more. Ron Malus, Rt. 2, Box 69, Alderson, 24910; 392-5231.

Case Int. 1300 9' sickle bar mower, $1,850/obo. Paul Martin, 83 Glen Haven Dr., Bridgeport, 26330; 842-0666.

Ford 3930 tractor /full cab, 2 sets of remotes, quick attach, front end loader, $10,000. Robert Martin, 917 Abia Martin Dr., Bridgeport, 26330; 842-6195.

477 haybine, 7', ship kept, $1,750; Int. Harvester sq. baler, 2-cyl., Wisconsin engine has broken sledge, ship kept, $500. Justin McAtee, 72 Mountain Meadows Lane, Mill Creek, 26280; 642-9043.
Bush Hog HM 2007 disk mower, 6½', only used 1 season, shed kept, excel. cond., $4,500. Gary McCallister, #1 Squire Valley Rd., Barboursville, 25504; 360-3035.

Durability HC 108 rake, 6 spoons, $5,500; NH 630 round bale, $8,000. Wetzel McCoy, 948 Trace Run, Gassaway, 26624; 364-8109.

Tiller, 2-row, needs new blades, $100; 1-row tobacco planter, $50; sq. bale duster & spreader, $100; Troy-Bilt tiller, 8 hp, $100; BCS tiller, both tillers run good & gears need replaced. Dick Meador, P.O. Box 37, 183 Old Turpke Lane, Jumping Branch, 25969; 461 3157.

Aries garden tractor, hyd., front/rear, front/box blades, lawn/mower deck, cultivator for rear, 5’ front snow blower, $1,500; 3-pt. hitch backhoe, 6½’ reach, good cond., $2,000; lawn/mower engines for lawnmowers, needs work, $175/ea. Mike Mobley, P.O. Box 128, Hendricks, 26271; 614-9822.

David Bradley horse drawn 2-row corn/seed planter, antique, worked last used time, $800. Kevin Moore, 931 Robinson Run Rd., Rivesville, 26588; 449-1493.

Landscape rake, 7’, exc. cond., $500. Ronald Rice, 1886 South Evansville Pike, Thornton, 26440; 892-4610.

Hennon 110 mower/conditioner w/broken shaft to 1 drum, $1,200/ne. John Oliverio, 218 Grand Ave., Bridgeport, 26333; 659-8800.


NH 656 sq. hybar /w/wagon tongue, barn kept, exc. cond., $8,500; JD 94, 5200 tractor, 2 WD w/loader, $10,000. Homer Plummer, 351 Plummer Mountain Rd., Shady Springs, 25918; 573-8799.

Hennon 730 round baler, elec. control, dual tongue, gathering wheels, 4’ balers, shed kept, exc. cond., $6,000. Curtis Poe, 3613 Clement town Rd., Philippi, 26416; 437-3249.

NH 848 round baler, net wrapped, $4,500; MF 120 sq. baler, $1,200. James Puralsy, 724 Puckett Ridge Rd., Ripley, 25271; 372-2196.

Case Int. 8420 round baler, $4,500; NH 404 cigar hybar, $300; JD #9 rear mower, $300. Donald Rohrbough, 851 Town Run Rd., Weston, 26452; 269-3940.


Ford 8N tractor w/5” brush hog, both excel. cond., everything works perfectly, good rubber, starts & runs good, always kept in the dry, $3,800. Wally Schwartz, Rt. 4, Box 163, Idyville, 25513; 395-5800.

JD saddle bar mower, 7’ blade, new Pitman arm, needs hyd. hose, $325. Dwight Senter, 6164 Clover Fork Rd., Orlando, 26412; 452-9471.

Troy-Bilt horse model rototiller, 8 hp whipping out plows, $1,000; Mathis cultivator, 2-yr., $200, both excel. cond. Gerald Shuman, 200 Snowbird Rd., West Union, 26462; 873-2439.

JD ’50 MT tractor, $1,800; cultivator, $200. Bob Simmons, RR 1, Box 36 Montrose, 26283; 636-3980.

373 sq. baler, firm, dependable bales, wagon towing attach., barn kept, excel. cond., $2,500. John Singleton, P.O. Box 11, Calvin, 26660; 742-3129.

Ford 801 tractor, $3,500; Farmtrac ’07 diesel

Dynamaline mower, good cond. Dominick Ricottielli, 132 Hidden Hollow Rd., Beilington, 26250; 823-1157.

Fence post driver, good cond. Dan Seabolt, P.O. Box 1202, Craigsville, 26205; 742-5000.

Rough cut pull behind mower/tractor to pull behind ATV. Bruce Stewart, 1174 Bell Crouch Rd., Huttonsville, 26273; 940-3076.

Tractor disk, 6’, good cond. Eugene Suder, 183 Randolph St., Buckhannon, 26201; 472-2807.

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 accommodations (house, barn, hayfield, garden, etc.) but no specifics, i.e., out buildings, 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.

Hampshire Co.: 20 A. w/house, 4x60 quon-set hut, well, septic, pasture, woods, orchard, private, end of rd., no restrictions. 3 mi. from Romney, $289,000. Kathy Berry, 177 Kay Horseshoe Run Rd., Keyser, 26726; 788-7921.

Mason Co.: 17½ A., w/house, city water, 2 wells, fenced, outbuildgs., all cleared, $92,500/obo. Paul Blake, 471 Jenkins Fork Rd., Fayetteville, 25840; 574-0942.

Lincoln Co.: 151 A. w/house, 2 barns, outbldgs., pond, crk, hayfield, pasture, woods, garden, private, end of rd., $210,000. Frank Gillisip, 103 Blackwood St., Nitro, 25143; 727-1387.

Greenbrier Co.: 80 A. w/house, crks, pasture, ponds, woods, $430,000. Ron Malus, Rt. 2, Box 68, Alderson, 24910; 302-5231.

Cabell Co.: Tyler Creek Rd., 97 A. w/house, barn, outbldgs., creek, pond, pasture, hay, woods, free gas, paved road, city water, salt rock, $525,000. Judy Ornith, Rt. 2, Box 242, Milton, 25241; 743-6267.

Harrison Co.: 60 A. w/house, garage, outbldgs., barns, hayfield, pasture, city/well water, septic, woods, springs, free gas, paved rd., fenced, $175,000. Richard Natow, 3800 Rock Camp Rd., Wallace, 26448; 783-4791.

Lewis Co.: 69 A. w/house, garage, cellar, outbldgs., free gas, $150,000/obo. David Townsend, 780 Racoon Run Rd. , Weston, 26452; 269-3385.

GOAT SALES

Reg. Boer bucks, various colors/ages, full blood, $250/up. Tim Bender, Rt. 1, Box 40D, Mill Creek, 26280; 642-1155.


AGS 4/14 Nigerian Dwarves, healthy, various colors/patterns, 2, fresh does & service bucks, $235-$335/pt., Bob Whitington, P.O. Box 123, Slanesville, 25444; 822-0730.

Pygmy: kids, $75/billies; $100/nannies; 2-yr., nanny, black, $100. Barbara Mike, 144 Saw Mill Hollow Rd., Burlington, 26571; 825-1347.

Kiko 3-yr. buck, MD Perf. Buck Test Silver Winner, $400; Boer & 4-yr. doe, $150; Rachel Moran, Rt. 1, Box 293T, Alderson, 24910; 661-0970; cedar dawn@yahoo.com

ADGA ‘14 reg. American Saanen kids, does & bucks, $300/up, all from great show lines & would make great additions to family/show herds, bottle fed, disbudded, vac. Linida Pennebaker, 228 Ivy Run Rd., Troy, 26443; 462-5065, earsthornehollow@aol.com

ADGA Saanen & Saanen Nubian kids, $175, up, ready to go at the end of July. Shelby Thompson, 1371 Perry Ave., Fayetteville, 25540; 769-9395.
Good Evening Ranch Barrel Race  
July 4-6.  
Fri: Exhibition, 10 a.m., Show, 1 p.m.  
Sat: Exhibition, 9 a.m., Show, 1 p.m.  
Sun: 10 a.m.  
Sponsored by: IBRA  
1458 Groves Road  
Canvas, WV (Watch for signs)  
Cindy Adkins, 877-595-5448  
cindyadkins4@yahoo.com  
www.goodeveningranch.net.

RCHA/NBHA Show  
July 5, 10 a.m.  
Sponsored by: Raleigh Co. Horsemens’ Assoc.  
Crow Show Grounds,  
Brian Adkins & Sam Farley, 923-9742.  
raleighcountyhorses@gmail.com.

47th Annual Fun Horse Show  
July 5, 1 p.m.  
Sponsored by: Elk River Boots & Saddle Club  
Blue Creek Show Grounds,  

Raleigh Co. 4-H Horse Camp  
July 6-12.  
Must Have Finished 3rd Grade  
Sponsored by:  
Raleigh Co. Horsemens’ Assoc.  
Raleigh Co. 4-H Youth Camp,  
Bridgets Adkins, 741-2756.  
raleighcountyhorses@gmail.com.

Dakota’s Fun Challenge  
July 12, 1 p.m.  
Sponsored by: Hamrick’s Ranch  
Exit 114 off of I-77 (1 mile) – Follow Signs  
Brian & Tammy Hamrick, 552-1701; 552-4159.

Beginners Youth Horse Camp  
July 14-17, 8:30 a.m. - 4:30 p.m.  
Sponsored by: Bunner Ridge Riding Assoc.  
Bunner Ridge Horse Park  
Fairmont, WV  
Carolyn Hamilton, 363-1594;  
mitchsmoon@comcast.net.

Open Pleasure Show  
July 26, 10 a.m.  
Sponsored by:  
Wyoming Co. Horsemens’ Assoc.  
Broken Wheel Stables,  
Lynco, WV  
Randi Dove, 923-2692;  
randi@randidove.com.
Nubian, Nubian/Alpine & Nubian/Boer cross 4/13 kids, does, buckings & wethers, vacc., $150/ up; reg. Nubian 2-yr. buck, $200, Glen Washington, P.O. Box 4073, Huntington, 25729; 633-5788; ga- washington77@gmail.com.

**GOAT WANTS**


**HOG SALES**

Pure reg. Hereford 1-yr., sow, approx. 300 lbs., only had 1 liter, $300. Dillon Hornsby, 950 Table Rock Rd., Beaver, 25813; 763-5184.

**Gloustershire Old Spots breeding stock piglets, rare black, solid genetics, $350/e.; Ossabaw Island Hog breeding stock piglets, genetics include 3rd generation off of the Island, pairs/trios avail., $150/e., no chemicals, pasture raised, GMO free. Quincy McMichael, H.C. 66, Box 315, Renick, 24966; 992-2922.

**HORSE SALES**

Reg. Haflinger 6 or 7-yr., mare w/colt at side, works/rides, $1,200; Paint/Haflinger 3-yr. stud, $500/obo; Qtr. 4-yr. mare, possibly bred, $400. Ronnie Annon, 1041 Annon Rd., Newburg, 26410; 892-3990.

Mini, 2- to 10-yr., 3, males, white, easy to handle, $150/obo. E. Brown, P.O. Box 236, Shinnston, 26431; 592-2414.

Icelandic 4-yr. gelding, black, $2,500. Leon Bayliss, Rt. 1, Box 139A, Given, 25245; 372-5411.

Rocky Mt.: 6-yr. stallion, palomino w/white blaze, 15 h., $6,000; mares: 5-yr., black, $3,000; 2-yr., chocolate, $2,000; 3-yr., black, $2,500; Paint 8-yr. gelding, gray/brown/white spotted, $2,000, all 14 h. Guy Cogar, 1796 Holly River Rd., Webster Springs, 26288; 847-7358.

APHA reg. 10-yr., gelding, solid, APHA champion sire, 5-time world APHA champ grandsire, lots of chrome, successfully shown West. Pleas., walk/trot & halter, loads, shoes, trims well, good trails, no bad habits, owners reserve right to inspect buyers premises before sale, $2,000. Sharon Deighton, 105 WPA Rd., Walker, 26180; 679-3872.

Jerusalem 10-mo. jack donkey, $100/obo. Albert Dettingham, H.C. 72, Box 171, New Creek, 26743; 788-6047.

Jerusalem 18-yr. Jenny, $50/obo. Patsy Dettingham, H.C. 72, Box 171, New Creek, 26743; 788-6047.

APHA reg. Tobiano filly, black/overo, colt, chestnut/white, $500/ea.; colts, solid sorrel w/white legs & solid black, $400/ea. L. Elschlager, 2024 Middle Ridge Rd., Waverly, 26184; 679-3446.

Belgian mare, approx. 1,800 lb., green broke, $2,500; poniess, $50/Up. Bob Evans, 205 Herb Harsh Rd., Horse Shoe Run, 26716; 735-3121.

**MINIATURE SALES**


Tenn. Wilk. mare, bay w/markings, 15.3 h., now being trail ridden, has excel. papers. $1,500; other top bred mares, $1,000/up; stud service, $150. Bill Harper, 513 Kentuck Rd., Kenna, 25248; 372-4179.

Reg. Mtn. Pleas. mare/2 geldings, natural gait, good conf./disp., $1,000/up. Sharon Haught, 225 Peacock Lane, Davisville, 26412; 679-2097; gold-enfroff@email.com.


Morgan 19-yr., gelding, liver chestnut, great trail, excel. disp., $950; Arabian, 23-yr., loves trails, free w/purchase of Morgan, Elaine Lawso, P.O. Box 292, Capon Bridge, 26711; 856-3664.

Wilk. cross broodmares, 2, $150/e.; minia- ture horses/mares/studs/cotts, all spotted, $150 to $300/e.; ponies, all spotted, $125 to $250/e. Ronald Lynch, 8346 New Hope Rd., Bluefield, 24701; 598-7652.

Qtr. 7-yr., mare, black, rides/trails good, $200; donkey, rides good, protects goats & sheep, $175. Elmer Ours, P.O. Box 754, Petersburg, 26487; 257-4203.

Male 7-yr. black/brown, 54" donkey, protects cattle & sheep, $200. Eugene Suder, 183 Ran dolph St., Buckhannon, 26201; 472-2807.


**PLANT SALES**

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

Pole bean seed: old-time fat man, Logan gi- ant & rattlesnake, turkey curl, Oct. tender hull & bush, greasy & white pole, brown half runner, more, $11/100 seed; elephant garlic bulbs, $13/lb.; all ppd. Betty Flanagan, 467 Ritchie Farm Rd., Summers- ville, 26651; 880-0135; allen.flanagan@gmail.com.

Winter onions, #1/dz. William Young, 129 Quick Rd., Elkview, 25071; 935-4538.

**PLANT WANTS**

Seneca Chief corn, will pay fair prices. Cindi Williams, 207 Woodland Forest, Winifred, 25213; 586-3737.

**POULTRY SALES**

No ornamental, wild or game birds; eggs.

Bronze turkey pullets, 2- to 4-wks., $10/e. John Brown, 4789 Rt. 10, Barbourville, 25504; 927-4951.

Heritage & Palm turkeys, $4/5/adult; Stichicks, Cynthia Davis, 140 Painter Run Rd., Wallace, 27644; 976-4618.

Roosters: various proven heritage stock, naturally raised, truly free-range w/no chemicals, $10/obo. Quincy McMichael, H.C. 66, Box 315, Renick, 24966; 992-0922.

Roosters: Rhode Island Red, Delawareans, Buffs, Black Australorps, Golden Comets & Speck- led Sussex, $5/e.; pullets, assorted varieties, $12/e., all 4-mo. Melissa Reid, 482 Stormy Weather Lane, Philippi, 26416; 457-3459; reedme- lisa67@gmail.com.

**POULTRY WANTS**

Guineas. Jack Weese, 115 Abrahms Dr., Bel- ington, 26250; 832-3664.

You can also find The Market Bulletin online at wvagriculture.org/ market-bulletin/market-bulletin.html.
**ATTENTION SWINE PRODUCERS**

Effective immediately, all swine entering WV need to have the following statement on the ICV or Health Certificate:

“To the best of my knowledge, swine represented on this certificate have not originated from a premises known to be affected by Porcine Epidemic Diarrhea virus (PEDV), and have not been exposed to PEDV within the last 30 days.”

Also

Pigs coming from a PEDV-affected herd can come to WV with a PCR negative test for PEDV on the imported pig with the results listed and attached to the ICVI.

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**WVDA GYPSY MOTH TREATMENTS BEGAN MID-MAY**

The young gypsy moth caterpillars are spread by the wind, which catches the silken threads they exude. Movement by this mechanism tends to be slow. Humans have spread the process up considerably by unwittingly transporting gypsy moth egg masses or caterpillars on loads of firewood, RVs, campers and other vehicles. Owners of RVs and campers should thoroughly inspect and wash their equipment before and after moving it.

Sayers also cautioned against moving firewood into or out of the state because pests such as the gypsy moth, hemlock wooly adelgid, emerald ash borer and other non-native invasive insects may be in or on the wood.

The contact number for the gypsy moth treatment operation will be the WVDA Charleston Office at 304-558-2212.

The Cooperative State-County-Landowner Program is a joint effort among the WVDA, U.S. Department of Agriculture Forest Service, West Virginia Division of Forestry and landowners throughout the Mountain State. For more information on the WVDA gypsy moth treatment program, contact WVDA Assistant Director, Quentin “Butch” Sayers or Gypsy Moth Program Coordinator, G. Scott Hoffman at 304-788-1066.

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**FAIRMONT COMMUNITY GARDEN**

We are adopting growing space at our two locations: Heston Farms Winery & Oliver Avenue Park

4’x8’ spaces are $25/additional sizes avail.

Contact Christa Blais, 816-1379; FairmontCommunityGarden@yahoo.com

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**ATTN: FARMERS/CSA OWNERS**

*Need help selling your product?*

A new market is opening in Fairmont this May and will offer all local, sustainable produce and local products for sale 7 days/week.

Contact Christa Blais, 816-1379.

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**FAIRVIEW FARMER’S MARKET**

**Vendors Needed**

318 Main Street
Fairview, WV
775-3366

Contact Jim Faber, faberwana@aol.com.

Saturdays 9 a.m. - 11 a.m.

June - Sept.

Fruits, vegetables, crafts, bakery & foods
Please register for “free space”, rain or shine; Poppy’s restaurant parking lot/outside only

1415 Guernier St., Apt. B, Charleston, 25301; 553-2888; kbblack@osteovwvsum.edu.

Sable Collie female pup. L. Fast, 8 Fast Lane, Fairmont, 26554; 534-3822.

Cattle trailer, good cond. Bumper Pull preferred but will consider Gooseneck for the right price. Bruce Hager, 5436 Meadow Fork Rd., Hewette, 25108; 369-1921; bhager@frontier.com.

Hay, 14, 1,000 round bales, near Loonvyle, good quality, dry, you deliv. or we pick up. Robert Hammack, 201 N. Pinch Road Rd., Elkview, 25071; 546-6101; bhammack@mountainfabricators.com.

Small pasture to lease w/barn or enclosure for 5 hikers for ‘14 summer, must be fenced w/access to clean pasture & water, will work out payment or raise you a beef for the fall after seeing pasture, near Elkview/ Walton or Clendenin area. Kathy Moles, 2457 Long Ridge Rd., Elkview, 25071; 965-2262; km2970@aol.com.
‘Fall’ cankerworms making major May appearance in Jefferson County

Fall cankerworms are overrunning Eastern Jefferson County from around Harpers Ferry to the Shannondale area, according to Commissioner of Agriculture Walt Helmick.

At the same time, 2 million acres in eastern Virginia are experiencing an unprecedented outbreak, and cankerworm populations there are showing no sign of collapse.

Although the insects [Alsophila pometaria (Harris)] are harmless to humans, fall cankerworm frass (droppings) can be a nasty nuisance beneath trees, as can worms descending to the ground on silk strands. Once there, they will burrow into the ground until fall when they will emerge as moths to reproduce, giving them their name.

At this time of the year, the insect is a light green to dark brownish-green inchworm that voraciously munches leaves from trees. They favor basswood, elm, hickory, maple, oak, birch, apple, ash, beech and cherry. This wide variety of hardwood hosts can result in large areas of defoliation when populations are high. A high ratio of dark to light caterpillars can be indicative of a heavy infestation.

Healthy trees can usually rebound from the defoliation, but excessive damage can stress them enough to kill them, particularly when it occurs in successive years.

Historically, large cankerworm outbreaks tend to collapse after two or three years due to the impact of several natural factors, including disease and predation by birds and other insects. However, populations in eastern Jefferson County have been building the last two seasons and a more-widespread West Virginia outbreak is a possibility.

When the cankerworms emerge in the fall, the females are wingless and must walk up tree trunks to lay eggs on a tree, where new larvae will hatch in the spring.

A non-chemical way that may protect isolated trees is trapping the wingless females in sticky material (e.g. TREE Tanglefoot®) as they crawl up the trunk to lay eggs. These sticky substances can cause injury to the tree, so they should be applied to duct tape or plastic wrapped in a band around the trunk.

The products should be applied starting in October, must be cleaned and renewed as often as they become crowded with moths, and must be left on through March to catch a similar spring species. Young cankerworms in the vicinity may blow to protected trees, limiting the usefulness of this method.

Spraying pesticides in early May can also help control populations in small areas. Materials registered to control cankerworms include Bacillus thuringiensis (Bt), carbaryl, and acephate. Be sure to refer to the pesticide label for specific use instructions. The services of a certified arborist may also be useful.