

○ **Lending/Financing**

- *What about this model could work in West Virginia?*
 - *Few banks will loan to agriculture, so any additional sources are good*
 - *Access to capital for land, infrastructure identified by farmers as a major key to success*
 - *FSA loans are not available for all farmers or farming models*
 - *NCIF is a lender that could be pulled into the conversation*
- *What about this model do you have reservations about*
 - *Financing the capital will probably take legislative help*
 - *Does a new CDFI or fund need to be created with agriculture as the sole purpose with low interest rates?*
- *If an organization were to anchor this model, what are some considerations about how it would work?*
 - *Basically, establishing a bank- lots of regulation and legal assistance will be required*
 - *Could a fund be established at an existing CDFI?*
 - *Follow-up and multiple month/annual tracking of loans*
 - *Human capital heavy*

○ **Purchasing/Management Entity**

- *What about this model could work in West Virginia?*
 - *Fixes issue of lack of sellers*
 - *Another way to look at buyers and sellers: Pair Sprouting Farms with easements*
 - *Gives crucial hands-on access to beginning farmers they might otherwise not be able to access*
- *What about this model do you have reservations about*
 - *Assumes the entity can be successful at land acquisition*
 - *Land access problems due to direct resistance or developers*
 - *Integration of the training component for beginning farmers*
 - *Need for the start-up capital to buy land- a few farmland protection boards are considering this as an option*
- *If an organization were to anchor this model, what are some considerations about how it would work?*
 - *Scaling based on new farmers current economic situation*
 - *Making sure otherwise poor credit risks find their program is accessible*
 - *Legal management framework must be in place*

Selection Method for Prioritization of Models to Include in a Land Access Plan

- The group in the 2nd conversation identified the following 9 criteria for judging the land access models presented, based on input from one another. Each individual weighed each land access plan on a scale from 1-5 where 1 was a poorer choice and 5 was a better choice.
- The criteria are as follows:

1. Does an anchor institution or organization already exist in West Virginia?
2. Does this help West Virginia beginning farmers?
3. What is the cost to implement?
4. Does this help sustain farmers?
5. Does this require human capital?
6. Does this fit community or land owner needs in the state?
7. Can multiple organizations plug into this strategy?
8. Can this serve multiple grower types?
9. Will this take legislative action?

- Based on these criteria and the ranking by stakeholder input, the group was asked who had each strategy in their top 4- the ranking for land access strategies is as follows:
 - **Network of Professionals (4)**
 - **Matching Service (3)**
 - **Online database (3)**
 - **Easements (3)**
 - Lending/Financing (2)
 - Transitional Services (1)
 - Purchasing/Management Entity (1)
 - Intentional Communities (1)

The first four strategies in bold were determined to be the most important and the lowest risk to begin with- so that needs to be the focus for the first 1-2 years. Once these strategies are solid and anchor organizations are in place and confident, the following 4 strategies will then be explored.



United States Department of Agriculture
Natural Resources Conservation Service
1550 Earl Core Road, Suite 200
Morgantown, WV 26505

Phone: (304) 284-7540
Fax: (855) 857-6448

November 30, 2018

Little Kanawha Conservation District
91 Boyles Lane
Parkersburg, WV 26104

Chairperson Mike Nichols,

Revision: This letter revises the Focused Conservation Approach notification letter dated November 6, 2018.

The allocated funding in the original letter stated fiscal year 2018. This is incorrect. It should have stated fiscal year 2019.

Also, funding will be provided after I receive my 2019 budget.

I apologize for the mistakes. Please continue to work with your local District Conservationist on outreach activities to encourage customer participation.

Sincerely,

LOUIS ASPEY
State Conservationist

cc: Brian Farkas, Executive Director, West Virginia Conservation Agency, Charleston, WV
Laura Smith, ASTC – Programs, NRCS, Morgantown, WV
Damarys Mortenson, State Resource Conservationist, NRCS, Morgantown, WV
Greg Stone, ASTC – Field Operations, NRCS, Beckley, WV
Jason Crislip, District Conservationist, NRCS, Parkersburg, WV

Helping People Help the Land

USDA is an equal opportunity provider, employer and lender



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LOCAL FOOD MENU

The WVU Extension Small Farm Center believes that local food is not just a nice option for the dinner table, but also a healthy, community-minded choice for events. For this reason, the Small Farm Center sources many events throughout the year with local foods from across the state.

The West Virginia Small Farm Conference offers a delicious menu of all-local meals and snacks, including jellies, popcorn, cheeses, vegetables, meats, beans, wheat flour and more!

We are always looking to include more producers in our sourcing efforts and continuously evolving menus to reflect the state and region. If interested in becoming a future producer for these events, please contact us at 304-293-2715.

Lodging

Holiday Inn Express – Charleston Civic Center
100 Civic Center Drive
Charleston, WV 25301

- A block of rooms has been reserved for \$107 per night, plus tax.
- The lodging reservation deadline is January 14, 2019.
- Mention the West Virginia Small Farm Conference for a discount.

Contact Us

Tom McConnell – Program Leader
Lisa Jones – Program Coordinator
Phone 304-293-2715
Fax 304-293-6954 • ljagana@mail.wvu.edu

Visit Us

extension.wvu.edu/agriculture/small-farm-center
facebook.com/WVUSmallFarmCenter

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Non-Profit Organization
U.S. Postage
PAID
Morgantown, WV
Permit No. 34

West Virginia University
EXTENSION SERVICE
Agriculture and Natural Resources
6206 Ag Sciences Building
P.O. Box 6108
Morgantown, WV 26506-6108

WVU is an EEO/AAE Affirmative Action Employer – Minority/Female/Disability/Veteran
In accordance with Federal law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, disability, and reprisal or retaliation for prior civil rights activity. Not all prohibited bases apply to all programs.
The WVU Board of Governors is the governing body of WVU. The Higher Education Policy Commission in West Virginia is responsible for developing, establishing, and overseeing the implementation of a public policy agenda for the state's higher education system.
Reasonable accommodations will be made to provide this content in alternate formats upon request. Contact the WVU Extension Service Office of Communications at 304-293-4222.
AG 16-268



698 9195
Jess Nichols
Little Kanawha District
91 Boyles Lane
Parkersburg WV 26104-7278

WV EXTENSION SERVICE



15TH ANNUAL WEST VIRGINIA SMALL FARM CONFERENCE

February 13-16, 2019
Charleston Civic Center
Charleston, West Virginia

extension.wvu.edu/small-farm-conference

Farmers Grow Food and Communities
Conference hosted by
WVU Extension Service Small Farm Center.

West Virginia Small Farm Conference

For over a decade, the WVU Extension Service Small Farm Conference has offered the most authentic and inclusive view of agricultural opportunities for West Virginia small farm families. Annually, the conference boasts a variety of useful topics, unique events and informative speakers across more than 100+ sessions. Under the organization of the WVU Extension Service Small Farm Center, 550 conference goers enjoyed locally sourced meals in 2018.

We hope you'll join us for the 15th year of the conference

February 13 to 16 at the Charleston Civic Center in Charleston, West Virginia. Registration, class and menu information can be found by visiting extension.wvu.edu/small-farm-conference.

Intensive Workshops and Trainings

On Wednesday and Thursday, the conference will offer specialized intensive workshops and trainings for more in-depth coverage of specific topics:

- Better Process Control School
- Food Safety Modernization Act
- Produce Safety Alliance
- Grower Training
- Good Manufacturing Practices
- Beekeeping Short Course
- Equipment Workshop
- Farm Taxes and Recordkeeping
- West Virginia Bed and Breakfast Association

Each workshop and training session is instructed by subject matter experts and provides attendees with an intensive learning experience. For more information on these workshops, as well as other conference classes, please view the conference schedule at extension.wvu.edu/small-farm-conference.

Conference Topics Include

- Animal Production
- Farm Management
- Marketing
- Vegetable Production
- Fruit Production
- Farm to School
- Wholesale Markets
- Local Food Community
- AgriTourism
- Financials
- Value-Added Wholesale
- Future (Age 12 to 18) and Budding (Age 5 to 11) Farmers

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Special Events

Youth Agriculture Entrepreneurship Competition

West Virginia will never have a food economy without entrepreneurs. Our competitors start with an idea, and with help from "business-minded" adults, mold them into a plan for the final round at the conference. The finalists will supplement their written plans with a pitch to a panel of experienced lenders and business men and women. Participants leave the competition with a better grasp of business planning, increased confidence in their own skills and some with monetary awards.

Winter Blues Farmers Market

For the 11th year, farmers market fans have an off-season opportunity to shop at this premier event on Saturday from 1:00-5:00 p.m. Farmers from across the state will gather to sell their winter-hardy foods, goods and products. This event is free and open to the public.

Local Dine-Around

In conjunction with the Winter Blues Farmers Market, attendees and the public are invited to enjoy local food prepared by chefs from the Charleston area.

Trade Show

Join us for our amped up trade show! This event highlights organizations and businesses to help equip and educate you for a more sustainable farm business. From farm tools to tractors, services, opportunities and everything in between – this is one event you do not want to miss! Stop by in the morning or during educational session breaks.

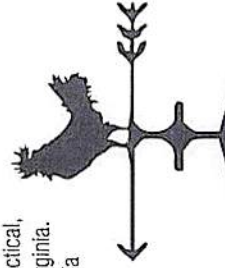
Interested in becoming a vendor? Please contact Lisa Jones at 304-293-2715.

Silent Auction

The silent auction this year will feature practical, fun and unique items from across West Virginia. All proceeds go to support the West Virginia Small Farm Conference and our conference scholarship fund.

Seed Swap

Bring your extra seeds to the conference. Then, share and swap them with other attendees for new or unique varieties to take home.



**Farmers Grow
Food and
Communities**

2019 West Virginia Small Farm Conference Registration Form

Registration provides attendees with entrance into all conference classes, as well as breakfast and lunch. You can register by mail with the form below or register online at www.regonline.com/2019wvusmallfarmconference

Name: _____

Organization: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Do you have any special dietary or disability needs? ☐ No ☐ Yes

If yes, please explain: *(Interpretive service must be requested 14 days in advance)*

Adult Registration

- ☐ Three-day Pass \$195
- ☐ One-day Pass \$75
- ☐ Thursday ☐ Friday
- ☐ One-day Pass \$50
- ☐ Saturday

Other

- ☐ Commercial Exhibitor \$450
- ☐ Nonprofit Exhibitor \$350

Student Registration

- ☐ Three-day Pass \$100
- ☐ One-day Pass \$40
- ☐ Thursday ☐ Friday
- ☐ One-day Pass \$30
- ☐ Saturday

Payment Options

Registrations received after February 1 will increase in price by \$5.

☐ Check or Money Order ☐ Credit Card ☐ VISA ☐ MasterCard ☐ Discover ☐ American Express

Call 304-293-2715 to provide card information.

Registration Form

Return completed form and payment to:

Heather Grimes

West Virginia University

6206 Ag Sciences Building

P.O. Box 6108

Morgantown, WV 26506-6108

HLGrimes@mail.wvu.edu

Register Online

www.regonline.com/2019

www.smallfarmconference

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Receive Updates 

USDA Announces \$3.7 Million in Financial Assistance to Fruit and Vegetable Growers in 16 States

USDA Office of Communications sent this bulletin at 12/04/2018 01:26 PM EST

[View as a webpage](#)



Press Release

USDA Announces \$3.7 Million in Financial Assistance to Fruit and Vegetable Growers in 16 States

WASHINGTON, Dec. 4, 2018 — The U.S. Department of Agriculture (USDA) today announced it will provide \$3.7 million of assistance to fruit and vegetable growers in 16 states through a GAP Assistance Program to enhance market access by defraying costs of undergoing voluntary USDA Harmonized Good Agricultural Practices (GAP) audits in 2019.

“These audits help producers meet Produce Safety Rule standards and will also improve their ability to sell into markets that expect growers to demonstrate that they have incorporated a culture of food safety into their operations,” said Marketing and

Regulatory Program Undersecretary Greg Ibach. "We are excited to be able to support producers pursuing these audits in the 2019 season."

Buyers are increasingly requiring rigorous third-party food safety certifications from produce growers to gain market access. USDA's Agricultural Marketing Service (AMS) offers several different types of GAP audits to suppliers throughout the produce production and supply chain that focus on best agricultural practices to verify that fruits and vegetables are produced, packed, handled and stored in the safest manner possible to minimize risks of food safety hazards. Producers pay fees that cover audit and administration costs, including auditor travel time and expenses.

Beginning Jan. 2, 2019, USDA's Risk Management Agency will provide Agricultural Management Assistance (AMA) funds to cover up to 100% of the cost of the Harmonized GAP audit and the Harmonized GAP Plus+ audit for farmers in the following 16 states which are authorized by Congress to receive financial assistance for conservation and financial risk mitigation: Connecticut, Delaware, Hawaii, Maine, Maryland, Massachusetts, Nevada, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Utah, Vermont, West Virginia and Wyoming. The funding will be available to assist producers in 2019 or longer, depending on availability of funds.

If an AMA-eligible state is currently using a Specialty Crop Block Grant to offer GAP Cost Share to its producers, the state may request to reallocate the funds to other eligible expenditures.

The AMA funding is focused on the Harmonized GAP and the Harmonized GAP Plus+ audits -- the two most comprehensive audits USDA offers -- to give farmers the best market options for their products while reducing the cost of separate audits for different buyer requirements.

Both audits are aligned with the technical provisions in FDA's Food Safety Modernization Act Produce Safety Rule, meet the requirements for the Produce GAP Harmonization Initiative and demonstrate adherence to industry and FDA best practices. The USDA Harmonized GAP Plus+ audit additionally meets buyer requirements for Global Food Safety Initiative audits.

More information is available in [Questions and Answers about the GAP Assistance Program](#) on AMS' [Harmonized GAP](#) webpage and by contacting AMS' Specialty Crops Inspection Division, Audit Services Branch at (202) 720-5021 or scaudits@ams.usda.gov.

#

[Learn More](#)

AGRICULTURE / CONSERVATION DAY AT THE CAPITOL LEGISLATIVE BREAKFAST



Wednesday, January 30, 2019

- 6:30 a.m.** Parking at Laidley Field will become available.
Carpooling is recommended.
- 6:30 – 9:00 a.m.** WVCA shuttle service is available from Laidley Field to the Capitol. (Security will not let anyone in Bldg. 7 until 7 a.m.)
- 7:30 a.m.** ***Conservation District Supervisors Legislative Breakfast***
Location: Gaston Caperton Training Center, Bldg. 7 (in the corner, 2nd floor.)
- 2:00 p.m.** Banners may be taken down in the main Capitol building.
(WVCA assistance will be available to help DMs)
Shuttle from Capitol Complex back to Laidley Field will be available until all attendees needing a ride are accommodated.

Reminders:

Tables and chairs will be available on the second floor of the main Capitol building.
All tables must be covered to the floor.
DMs bring your own district tablecloth, and any handouts you wish to distribute.



ELK CONSERVATION DISTRICT INVITES YOU TO THEIR

ANNUAL COVERED DISH CHRISTMAS LUNCHEON

Please join us as we share in the
joy of the Christmas Season.

Thurs., Dec. 20, 2018 at Noon

***IMMEDIATELY FOLLOWING THE
BOARD OF SUPERVISORS MEETING***

*PLEASE RSVP NO LATER THAN
MONDAY, DECEMBER 17*

ELK CD OFFICE
740 AIRPORT RD.
SUTTON, WV
304-765-2535
ECD@WVCA.US

Nichols, Jessica

From: John Sencindiver <jsencindiver48@gmail.com>
Sent: Tuesday, November 27, 2018 2:31 PM
To: ccd; epcd; ecd; gvcd; gcd; lkcd; MCD; npcd; pvcd; scd; tvcd; uocd; wfcd; wcd
Subject: Century Farm Program

This is a reminder to all Conservation Districts that applications for century, sesquicentennial, and bicentennial farms are due to your offices by February 1, 2019. Your district supervisors should complete the review of those applications and send approved names to me by April 1.

Please feel free to contact me at any time if you have questions.

John Sencindiver

Ritchie County Fair & Exposition

1608 E Main Street • Harrisville, West Virginia 26362

www.ritchiecountyfair.org

November 7, 2018

To Whom It May Concern,

The 2019 Ritchie County Fair & Expo will be here before we know it. The Ritchie County Fair will be held **Wednesday, August 7 – Saturday, August 10, 2019**. Please mark your calendars now and plan to attend.

The Ritchie County Fair & Expo is the event where our county's 4-H and FFA youth get to showcase their projects that they have worked hard on all year. Ritchie County youth not only work on livestock projects, but also quilting, food, and pet projects, along with potato growing, woodworking, electrical and many other projects they are interested in over the year.

We are asking that you consider a sponsorship for the 2019 Ritchie County Fair & Expo. As you will see we offer a variety of sponsorship opportunities. Early donors will be given first option of event and programming sponsorship of Ritchie County Bull ride, Gospel Night entertainment, Horseradish pickle and Pretty Baby contest are just a few that are available. Please feel free to inquire about other ways to support the fair. We hope that one of these sponsorship packages or events appeal to you.

No matter the size of contribution, any and all donations are greatly appreciated. All sponsors will be recognized in Fair advertisements and a listing in the Fair brochure if received by June 29th. Please note that the Ritchie County Fair & Expo Inc. is a 501 (c) 3 organization so, all donations are tax deductible. We would be more than glad to provide a W9 along with the receipt if desired.

Ritchie County Fair & Expo Board of Director members are looking forward to a great fair this year and hope you will join us to make it a memorable year. You may contact Stephanie Deem at 304-643-5200. Thank you for your time and participation. We look forward to partnering with you at the Ritchie County Fair & Expo.

Sincerely,



Stephanie Deem

Ritchie County Fair & Expo Inc. President

SPONSORSHIP OPPORTUNITIES

PLATINUM SPONSORSHIP \$5000 & OVER

Ritchie County Fair & Expo Day Sponsor

- ❖ Company name and logo display in all newsprint, printed, posters, radio and TV advertisements
- ❖ Sponsorship announced on all remote radio spots.
- ❖ Acknowledgement as Platinum Level Sponsor on RCF&E Website
- ❖ Prime exhibit area for your company
- ❖ 10 VIP admission tickets
- ❖ Sponsorship Recognition during public address announcements (to be provided by Sponsor)
- ❖ Largest company logo in tri-fold brochures (Must be received by June 15)
- ❖ Sponsorship announced throughout the fair/event

GOLD SPONSORSHIP \$3000

Sponsors one of the following Saturday Grandstand Entertainment: TBA

- ❖ Company name and logo display in all newsprint, printed, posters, radio and TV advertisements
- ❖ Sponsorship will be recognized on the fairgrounds
- ❖ Exhibit area for your company
- ❖ Acknowledgement as Gold Level Sponsor on RCF&E Website
- ❖ 6 general admission tickets
- ❖ Second largest company logo on trifold brochures (Must be received by June 15)
- ❖ Sponsorship announced throughout the fair/event

SILVER SPONSORSHIP \$1500

Sponsor of Friday Grandstand Entertainment: TBA or Bull Ride Gate (6 available)

- ❖ Company logo included in all newspaper print
- ❖ Sponsorship will be recognized on the fairgrounds
- ❖ Acknowledgement as Silver Level Sponsor on RCF&E Website
- ❖ 3 general admission tickets
- ❖ Exhibit area for your company
- ❖ Company logo on trifold brochures (Must be received by June 15)
- ❖ Sponsorship announced throughout the fair/event

BRONZE SPONSORSHIP \$500

- ❖ 2 general admission tickets (with Sponsorships over \$500)
- ❖ Sponsorship will be recognized on the fairgrounds
- ❖ Exhibit area for your company
- ❖ Company logo on RCF&E Website
- ❖ Company logo on trifold brochures

FRIENDS OF THE FAIR \$50-499

- ❖ 1 General admission ticket
- ❖ Company logo on RCF&E Website
- ❖ Exhibit area for your company

Ritchie County Fair & Exposition

1608 E Main Street • Harrisville, West Virginia 26362

www.ritchiecountyfair.org



United States Department of Agriculture

Jason Crislip
District Conservationist

- ❖ EQIP approvals for sign up 1
13 Contracts \$119,747.00 Strike Force (High Tunnels_
Calhoun 1
Ritchie 1
Roane 6
Wirt 5
- ❖ EQIP and AMA application deadline for round 2 is January 18th

Little Kanawha Conservation District Income

(November 10th- December 12, 2018)

Typar:

75 feet	\$75.00
1 Roll	\$388.80

Total: \$463.80

Tree Tubes

10	\$35.00
----	---------

Total: \$35.00

Lime Spreaders:

2 ton	\$50.00
-------	---------

Total: \$50.00

Forage

7 Samples	\$90.00
-----------	---------

Total: \$90.00

Typar Profit: \$1427.88

Float Profit: \$149.12

Bird Boxes: \$20.64

Copper Pipe: \$12.00

Tree Tubes: \$9.80

Total Income: \$1,619.44

**Total Income
from January-**

Now:

\$3,888.76

Summary

- Test your forage
 - Best ROI on your nutrition program
- Care for you forage
 - Minimize supplementation

Beef Nutrition

- Nutrient analysis is important
 - Especially forages and unique feeds
 - Moisture vs. Dry matter
 - TDN vs. NE_m and NE_g
 - CP vs. Adjusted CP

Interpreting a Feed Analysis

Iowa Beef Center

IBC

PRODUCT: dry grass hay

(1B - N9

)

Moisture % 14.74%
Dry Matter % 85.26%

	Dry Basis	Average	Normal Range
Crude Protein	%DM	9.91	2.91 - 16.91
ADF	%DM	41.70	28.20 - 55.20
aNDF (w/ Na2SO3)	%DM	63.31	46.37 - 80.25
Lignin (Sulfuric Acid)	%DM	7.08	3.84 - 10.32
Lignin	%NDF		
uNDF240	%DM	22.80	12.10 - 33.50
NDFD 30 (Imm)	%NDF	49.24	29.54 - 68.94
IVTMD 30	%DM	65.23	44.01 - 86.45
AD-ICP	%DM	1.05	0.33 - 1.77
ND-ICP (w/o Na2SO3)	%DM	2.41	0.51 - 4.31
Protein Sol.	%CP	20.00	3.50 - 36.50
Fat (EE)	%DM	2.43	1.25 - 3.61
Total Fatty Acid (TFA)	%DM	1.55	0.33 - 2.77
Ash	%DM	9.76	5.44 - 14.08
Calcium	%DM	0.61	0.07 - 1.15
Phosphorus	%DM	0.24	0.08 - 0.40
Magnesium	%DM	0.19	0.05 - 0.33
Potassium	%DM	1.68	0.46 - 2.90
Sulfur	%DM	0.15	0.03 - 0.27
Sugar (ESC)	%DM	6.02	1.05 - 10.99

TDN lx - OARDC	%	51.75%
Adjusted Crude Protein	%	14.88%
NFC	%	13.53%
Nel 3x - OARDC	Mcal/cwt	52.18
Nel 3x - ADF	Mcal/cwt	58.43
Neg - OARDC	Mcal/cwt	24.12
Nem - OARDC	Mcal/cwt	49.31
DMI	% Body Wt	2.03%
RFV		90.17
RFQ		94.88

IOWA S
Extension

4 Different Diets

- What you balance for
- What you put in the mixer
- What you deliver to the bunk
- What the animals consume

How do you balance a cow diet?

- Easy when using a total mixed ration (TMR)
- Not quite as easy when cows are on forage
 - Grazing (pasture , stock piled forage, crop residues)
 - Large round bales
- How can we estimate forage intake?
 - Thumb rules based on forage quality
 - Neutral detergent fiber (NDF) from forage analysis

Forage DM Intake



Forage Type and Maturity	Stage of Production	Forage DMI, % BW
LOW (<52% TDN; dry winter forage; mature legume or grass hay; straw; corn stalks)	Dry	1.8
	Lactating	2.2
AVERAGE (52-59% TDN; dry summer or fall pastures; late bloom legume hay; boot and early bloom grass hay)	Dry	2.2
	Lactating	2.5
HIGH (>59% TDN; Mid-bloom, early bloom, pre-bloom legume hay, pre-boot grass hay; lush, growing pasture; silages	Dry	2.5
	Lactating	2.7

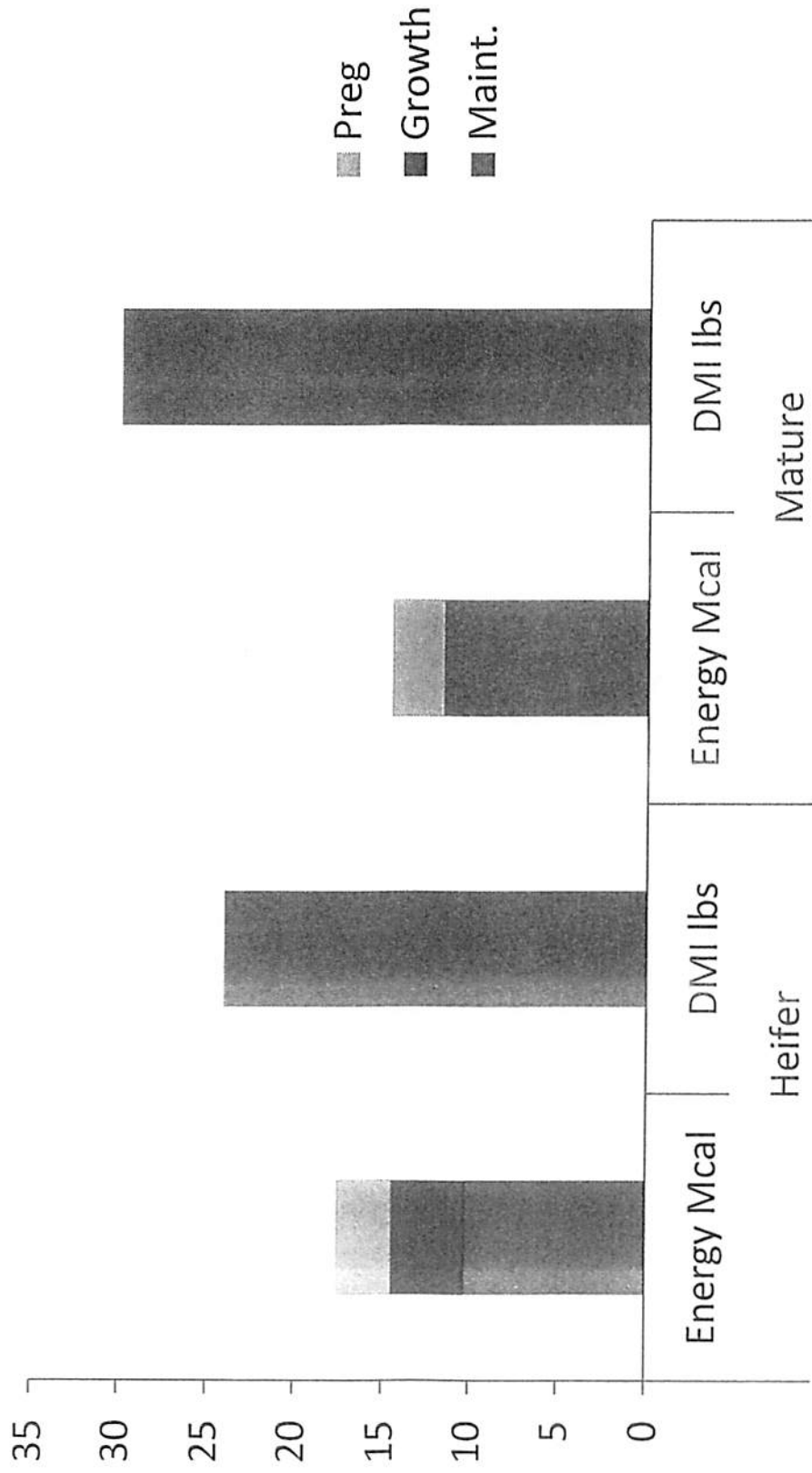
The 4 C's for nutrition x reproduction

1. Confusing
 - At times, too many feedstuffs/supplements/cure-alls?
2. Complex
 - Maybe, depending on what feedstuffs available
3. Convoluted
 - Often not straightforward, and enterprise dependent
4. Confounded
 - Every year is different, different BCS, etc.

1st calf heifer vs mature cow



energy requirements third trimester



IOWA STATE UNIVERSITY
Extension and Outreach

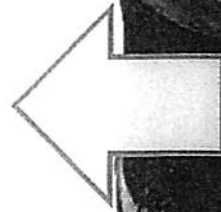
1200 lb. Cow in Last 3rd of Gestation

Consuming 5.7% CP

Forage Cooked

Control Corn Tub

Forage DM Intake, lb.	21 (1.75% BW)	18.5	23.5
Suppl. Intake (DM)	---	3.0	1.0
Total Intake (DM)	21	21.5	24.5
CP Intake, lb.	1.2	1.5	1.65
TDN Intake, lb.	10.3	11.8	13.1





PURINA

A DIFFERENCE YOU CAN SEE™

How Cooked Tubs Work

- Supplementation to low-quality forages of protein and energy causes a positive associative affect increased forage intake and digestibility

You get more intake and more out of each unit of intake



Table 1.2. Nutrients requirements of breeding beef cattle (nutrient concentration in diet dry matter).^a

Weight (lb)	Daily gain (lb/day)	DM intake (lb)	Protein (%)	Protein (lb)	TDN (%)	TDN (lb)	Ca (%)	P (%)
Pregnant yearling heifers—last third of pregnancy								
700	0.9	15.3	8.4	1.3	55.4	8.5	0.27	0.20
	1.4	15.8	9.0	1.4	60.3	9.6	0.33	0.21
	1.9	15.8	9.8	1.5	67.0	10.6	0.33	0.21
750	0.9	16.1	8.3	1.3	55.1	8.9	0.27	0.19
	1.4	16.6	8.9	1.5	59.9	10.0	0.32	0.21
	1.9	16.6	9.5	1.6	66.5	11.1	0.37	0.23
800	0.9	16.8	8.2	1.4	54.8	9.2	0.28	0.20
	1.4	17.4	8.8	1.5	59.6	10.4	0.33	0.21
	1.9	17.5	9.3	1.6	66.1	11.6	0.35	0.21
850	0.9	17.6	8.2	1.4	54.5	9.6	0.26	0.20
	1.4	18.2	8.6	1.6	59.3	10.8	0.30	0.21
	1.9	18.3	9.1	1.7	65.7	12.1	0.34	0.22
900	0.9	18.3	8.1	1.5	54.3	9.9	0.26	0.20
	1.4	19.0	8.5	1.6	59.1	11.3	0.30	0.21
	1.9	19.2	9.0	1.7	65.4	12.5	0.32	0.21
950	0.9	19.0	8.0	1.5	54.1	10.3	0.27	0.20
	1.4	19.8	8.4	1.7	58.9	11.7	0.29	0.21
	1.9	20.0	8.8	1.8	65.1	13.0	0.32	0.21
Dry pregnant mature cows—middle third of pregnancy								
800	0.0	15.3	7.1	1.1	48.8	7.5	0.17	0.17
900	0.0	16.7	7.0	1.2	48.8	8.2	0.18	0.18
1,000	0.0	18.1	7.0	1.3	48.8	8.8	0.18	0.18
1,100	0.0	19.5	7.0	1.4	48.8	9.5	0.19	0.19
1,200	0.0	20.8	6.9	1.4	48.8	10.1	0.19	0.19
1,300	0.0	22.0	6.9	1.5	48.8	10.8	0.20	0.20
1,400	0.0	23.3	6.9	1.6	48.8	11.4	0.20	0.20
Dry pregnant mature cows—last third of pregnancy								
800	0.9	16.8	8.2	1.4	54.5	9.2	0.26	0.20
900	0.9	18.2	8.0	1.5	54.0	9.8	0.27	0.21
1,000	0.9	19.6	7.9	1.6	53.6	10.5	0.26	0.20
1,100	0.9	21.0	7.8	1.6	53.2	11.2	0.26	0.21
1,200	0.9	22.3	7.8	1.7	52.9	11.8	0.26	0.21
1,300	0.9	23.6	7.7	1.8	52.7	12.5	0.26	0.21
1,400	0.9	24.9	7.6	1.9	52.5	13.1	0.26	0.21

^aDM = dry matter; TDN = total digestible nutrients (energy); Ca = calcium; P = phosphorus

Table 1.2. Nutrients requirements of breeding beef cattle (nutrient concentration in diet dry matter).^a

Weight (lb)	Daily gain (lb/day)	DM intake (lb)	Protein (%)	Protein (lb)	TDN (%)	TDN (lb)	Ca (%)	P (%)
Two-year-old heifers nursing calves—first 3 to 4 months postpartum—10 lb milk/day								
700	0.5	15.9	11.3	1.8	65.1	10.3	0.36	0.24
750	0.5	16.7	11.0	1.8	64.4	10.8	0.34	0.24
800	0.5	17.6	10.8	1.9	63.8	11.2	0.34	0.24
850	0.5	18.5	10.6	1.9	63.2	11.7	0.33	0.23

850	0.5	18.4	10.6	1.9	63.2	11.6	0.33	0.23
900	0.5	19.2	10.4	2.0	62.7	12.0	0.33	0.23
950	0.5	20.0	10.2	2.0	62.3	12.5	0.32	0.23
1,000	0.5	20.8	10.0	2.1	61.9	12.9	0.31	0.23

Cows nursing calves—average milking ability—first 3 to 4 months postpartum—10 lb milk/day

800	0.0	17.3	10.2	1.8	58.2	10.1	0.30	0.22
900	0.0	18.8	9.9	1.9	57.3	10.8	0.28	0.22
1,000	0.0	20.2	9.6	2.0	56.6	11.5	0.28	0.22
1,100	0.0	21.6	9.4	2.0	56.0	12.1	0.27	0.22
1,200	0.0	23.0	9.3	2.1	55.5	12.8	0.27	0.22
1,300	0.0	24.3	9.1	2.2	55.1	13.4	0.27	0.22
1,400	0.0	25.6	9.0	2.3	54.7	14.0	0.27	0.22

Cows nursing calves—superior milking ability—first 3 to 4 months postpartum—20 lb milk/day

800	0.0	15.7	14.2	2.2	77.3	12.1	0.48	0.31
900	0.0	18.7	12.9	2.4	69.8	13.1	0.41	0.28
1,000	0.0	20.6	12.3	2.5	67.0	13.8	0.39	0.27
1,100	0.0	22.3	11.9	2.6	65.2	14.5	0.38	0.27
1,200	0.0	23.8	11.5	2.7	63.7	15.2	0.36	0.26
1,300	0.0	25.3	11.2	2.8	62.6	15.9	0.36	0.26
1,400	0.0	26.7	11.0	2.9	61.7	16.5	0.35	0.26

Region 6 Landowner Assistance Program Accomplishments for November 2018

81 requests were received in Region 6. 68 of these requests were incidental covering a wide variety of topics such as logging complaints, Fire season, logging classes, etc.

Cabwaylingo State Forest:

Right Fork of Spruce Creek timber was purchased by Tolsia Lumber Co.

Little Kanawha Conservation District: (Copeland, Stephens, King, Robinson, Murdock and Minton)

Two reconnaissance were conducted to make recommendations. Five practice plans were written. 83 acres of TSI were marked. 60 acres of timber were marked with an estimated volume of 187.736 MBF. 42 acres were cruised with an estimated volume of 379.111 MBF. Two forestland management plans were written. Two programs were held consisting of 30 seat hours. One insect and disease detection was made and one Stewardship Plan was written.

Upcoming Events:

December 2018 Watershed Report

CCRs:

Site: 4574 Noreen Leskowitz 1325 Pennsboro Rd-Small Branch Creek.

Blockage called in that is on neighboring property a ¼ mile from her home. She is going to call the property owners to check if they will call the site in as it is not her property. She has been advised of the proposed cost-share program.

Stream Permits: none received

O&M:

- North Fork of the Hughes: EAP Up to Date
- Pocatalico 14: EAP Up to Date
- Pond Run: EAP Up to Date
- Pullman 01: EAP Up to Date
- Walker Creek: EAP Up to Date
- Bonds Creek 01: EAP Up to Date

The NFHR project has been verified and the summary sent. All work was done as stated on the work order. Mike Sherpenberg did the final inspection of the work as they were finishing up. The park superintendent was satisfied with the work.

Annual inspection reports will be sent to the District when they are completed on the form. They will be sent to the sponsors as well.

From: USDA Farm Service Agency <usdafsa@service.govdelivery.com>
Sent: Wednesday, November 14, 2018 1:53 PM
To: lkcd
Subject: November 2018 West Virginia State Newsletter and Updates

November 2018



Farm Service Agency **Electronic News Service**

NEWSLETTER

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- [USDA Acreage Reporting Deadline for Perennial Forage Changes to July 15](#)
- [Emergency Assistance for Livestock, Honeybee, and Farm-Raised Fish Program \(ELAP\)](#)
- [USDA Reminds Producers of Disaster Program Deadlines](#)
- [Communication is Key in Lending](#)
- [Expanded Hog Timeline](#)
- [USDA Market Facilitation Program](#)

West Virginia FSA Newsletter

West Virginia
Farm Service Agency
1550 Earl Core Road
Morgantown, WV 26505
www.fsa.usda.gov/wv
State Executive
Director:

Roger D. Dahmer

State Committee:

Andrea Lambert, Chair
Lois Alt
Russell Linger III

USDA Acreage Reporting Deadline for Perennial Forage Changes to July 15

USDA Farm Service Agency (FSA) has established a new acreage reporting deadline for perennial forage for 2019 and subsequent years. Previously set in the fall, the new deadline is July 15 for all states, except for Hawaii and Puerto Rico.

Timely and accurate acreage reports for all crops and land uses, including prevented planting or failed acreage, are the foundation for many FSA program benefits, including disaster programs for livestock owners. Producers must report their acreage to maintain program eligibility.

Rocky Peck
Sarah Wayne

Please contact your local FSA
Office for questions specific to
your operation or county

Producers who have coverage for perennial forage under the
Noninsured Crop Disaster Assistance Program (NAP) must report
their crop acreage by the earlier of any of the following:

- the established acreage reporting date (July 15)
- 15 calendar days before the onset of harvest or grazing of the specific crop acreage being reported
- the established normal harvest date for the end of the coverage period.

Emergency Assistance for Livestock, Honeybee, and Farm-Raised Fish Program (ELAP)

The Emergency Assistance for Livestock, Honeybees and Farm-Raised Fish Program (ELAP) provides emergency assistance to eligible livestock, honeybee, and farm-raised fish producers who have losses due to disease, adverse weather or other conditions, such as blizzards and wildfires, not covered by other agricultural disaster assistance programs.

Eligible livestock losses include grazing losses not covered under the Livestock Forage Disaster Program (LFP), loss of purchased feed and/or mechanically harvested feed due to an eligible adverse weather event, additional cost of transporting water because of an eligible drought and additional cost associated with gathering livestock to treat for cattle tick fever.

Eligible honeybee losses include loss of purchased feed due to an eligible adverse weather event, cost of additional feed purchased above normal quantities due to an eligible adverse weather condition, colony losses in excess of normal mortality due to an eligible weather event or loss condition, including CCD, and hive losses due to eligible adverse weather.

Eligible farm-raised fish losses include death losses in excess of normal mortality and/or loss of purchased feed due to an eligible adverse weather event.

Producers who suffer eligible livestock, honeybee, or farm-raised fish losses from Oct. 1, 2017 to Sept. 30, 2018 must file:

- A notice of loss the earlier of 30 calendar days of when the loss is apparent or by **Dec. 3, 2018**
- An application for payment by **Dec. 3, 2018**

The following ELAP Fact Sheets (by topic) are available online:

- [ELAP for Farm-Raised Fish Fact Sheet](#)
- [ELAP for Livestock Fact Sheet](#)
- [ELAP for Honeybees Fact Sheet](#)

To view these and other FSA program fact sheets, visit the FSA fact sheet web page at www.fsa.usda.gov/factsheets.

USDA Reminds Producers of Disaster Program Deadlines

U.S. Department of Agriculture (USDA) Farm Service Agency (FSA) reminds West Virginia producers who experienced losses from natural disasters during the 2017 and 2018 calendar years that they may be eligible for assistance through the Tree Assistance Program (TAP), Emergency Assistance for Livestock, Honeybees and Farm-Raised Fish Program (ELAP) and Livestock Indemnity Program (LIP).

Tree Assistance Program (TAP):

TAP provides financial assistance to qualifying orchardists and nursery tree growers to replant or rehabilitate eligible trees, bushes and vines lost due to natural disasters. Payment eligibility is triggered when a mortality loss in excess of 15 percent on a stand (adjusted for normal mortality) occurs due to natural disaster.

For 2017 and 2018 TAP losses, growers have until the later of Dec. 3, 2018, or 90 calendar days after the disaster event or date when the loss of trees becomes apparent to submit an application with supporting documentation.

Emergency Assistance for Livestock, Honeybees and Farm-Raised Fish Program (ELAP):

ELAP provides emergency assistance to eligible producers of livestock, honeybees and farm-raised fish who have suffered losses due to an adverse weather or loss condition, including blizzards, disease, water shortages and wildfires. ELAP assistance is provided for losses not covered by other disaster assistance programs.

For 2017 and 2018 ELAP, producers must file a notice of loss and application for payment at their local FSA office by Dec. 3, 2018, for losses occurring from Oct. 1, 2016, through Sept. 30, 2018.

Livestock Indemnity Program (LIP):

LIP provides compensation to eligible livestock owners or contract growers for livestock deaths in excess of normal mortality, or injury resulting in reduced value, caused by an eligible loss condition.

For 2017 and 2018 LIP, a livestock owner or contract grower must file a notice of loss the later of 30 calendar days from when the loss of livestock is first apparent, or Dec. 3, 2018. For 2017 losses, a livestock owner or contract grower must file an application for payment by Dec. 3, 2018. For 2018 losses, a livestock owner or contract grower must file an application for payment by, March 1, 2019.

Other Amendments to the 2014 Farm Bill by the Bipartisan Budget Act of 2018

In February, the Bipartisan Budget Act of 2018 made several changes to FSA disaster programs. This includes eliminating the \$20 million fiscal year funding cap for ELAP, eliminating the \$125,000 payment limitation for LIP for 2017 and future years and allowing producers to receive a payment for injured livestock that are sold for a reduced price due to an eligible event.

As a result of these changes, starting June 4, producers were allowed to submit ELAP, LIP and LFP applications for 2017 losses if they reached the payment limitation under the previous rules. The application periods for these programs for the 2017 program year will close on Dec. 3, 2018. Producers who already submitted applications and received decisions on their applications for these years do not need to file again but can reapply if they have additional losses or their application or notice of loss was denied because it was late filed.

Contact your local FSA office for program deadlines. For more information on FSA disaster assistance programs or to find your local USDA Service Center, visit <https://www.farmers.gov/>.

Communication is Key in Lending

Farm Service Agency (FSA) is committed to providing our farm loan borrowers the tools necessary to be a success. A part of ensuring this success is providing guidance and counsel from the loan application process through the borrower's graduation to commercial lending institutions. While it is FSA's commitment to advise borrowers as they identify goals and evaluate progress, it is crucial for borrowers to communicate with their farm loan staff when changes occur. It is the borrower's responsibility to alert FSA to any of the following:

- Any proposed or significant changes in the farming operation;
- Any significant changes to family income or expenses;
- The development of problem situations;
- Any losses or proposed significant changes in security

In addition, if a farm loan borrower cannot make payments to suppliers, other creditors, or FSA on time, contact your farm loan staff immediately to discuss loan servicing options.

For more information on FSA farm loan programs, visit www.fsa.usda.gov.

Expanded Hog Timeline

USDA has expanded the timeline for producers with whom the Aug. 1, 2018, date does not accurately represent the number of head of live hogs they own. Producers may now choose any date between July 15 to Aug. 15, 2018, that correctly reflects their actual operation.

MFP applications are available online at www.farmers.gov/mfp. Applications can be completed at a local FSA office or submitted electronically either by scanning, emailing, or faxing. To locate or contact your local FSA office, visit www.farmers.gov.

USDA Market Facilitation Program

USDA launched the trade mitigation package aimed at assisting farmers suffering from damage due to unjustified trade retaliation by foreign nations. Producers of certain commodities can now sign up for the Market Facilitation Program (MFP).

USDA's Farm Service Agency (FSA) will administer MFP to provide payments to corn (fresh and processed), cotton, dairy, hog, sorghum, soybean (fresh and processed), wheat, shelled almond, and fresh sweet cherry producers. An announcement about further payments will be made in the coming months, if warranted.

The sign-up period for MFP runs through Jan. 15, 2019, with information and instructions provided at www.farmers.gov/mfp. MFP provides payments to producers of eligible commodities who have been significantly impacted by actions of foreign governments resulting in the loss of traditional exports. Eligible producers should apply after harvest is complete, as payments will only be issued once production is reported.

A payment will be issued on 50 percent of the producer's total production, multiplied by the MFP rate for a specific commodity. A second payment period, if warranted, will be determined by the USDA.

For a list of initial MFP payments rates, view the [MFP Fact Sheet](#).

MFP payments are capped per person or legal entity as follows:

- A combined \$125,000 for eligible crop commodities
- A combined \$125,000 for dairy production and hogs
- A combined \$125,000 for fresh sweet cherries and almonds

Applicants must also have an average adjusted gross income for tax years 2014, 2015, and 2016 of less than \$900,000. Applicants must also comply with the provisions of the Highly Erodible Land and Wetland Conservation regulations.

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November 2018**Farm Service Agency Electronic News Service**

BULLETIN

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- [FSA Encourages Farmers and Ranchers to Vote in County Committee Elections](#)
- [Sign in/Sign up!](#)
- [USDA Microloans Help Farmers Purchase Farmland and Improve Property](#)

Mill Run FSA Updates

Mill Run FSA Office

91 Boyles Lane Parkersburg, WV
26104

Phone: 304-422-9072

Fax: 855-854-3082

County Executive Director:

Eleanor N. Grogg

Farm Loan Manager:

Jennifer L. Fisher

Program Technicians:

Teresa Painter

Sheila Dye

County Committee:

Jeffrey McElfresh -Chair

Suzanne Dietz- Vice Chair

Bryan Sims

Ivan Banks

Audra Cunningham

FSA Encourages Farmers and Ranchers to Vote in County Committee Elections

The 2018 Farm Service Agency County Committee Elections began on Nov. 5, when ballots were mailed to eligible voters. The deadline to return the ballots to local FSA offices is Dec. 3, 2018.

County committee members are an important component of the operations of FSA and provide a link between the agricultural community and USDA. Farmers and ranchers elected to county committees help deliver FSA programs at the local level, applying their knowledge and judgment to make decisions on commodity price support programs; conservation programs; incentive indemnity and disaster programs for some commodities; emergency programs and eligibility. FSA committees operate within official regulations designed to carry out federal laws.

To be an eligible voter, farmers and ranchers must participate or cooperate in an FSA program. A person who is not of legal voting age but supervises and conducts the farming operations of an entire farm, may also be eligible to vote.

Eligible voters in local administrative area (2 and 4), who do not receive a ballot can obtain one from their local USDA Service Center. Dec. 3, 2018, is

Next County Committee Meeting:

December 05, 2018 @ 10:00 am

the last day for voters to submit ballots in person to local USDA Service Centers. Ballots returned by mail must also be postmarked no later than Dec. 3. Newly elected committee members will take office Jan. 1, 2019.

The candidates in this year's election are:

Wanda Bartlett is nominated in LAA 2, Ritchie County, to serve as COC member for a 3-year term beginning January 1, 2019. Wanda resides in Ritchie County where she produces hay and feeder calves. She is a member of the WV Farm Bureau Association.

Jean Freeland is nominated in LAA2, Ritchie County, to serve as COC member for a 3-year term beginning January 1, 2019. Jean resides in Ritchie County where she has produced hay and livestock for over 40 years and is a beekeeper. She is currently a member of the Mountaineer Beekeeper's Association and WV Farm Bureau Association.

Nathaniel Mason is nominated in LAA 2, Ritchie County, to serve as COC member for a 3-year term beginning January 1, 2019. Nathaniel resides in Ritchie County where he has operated a beef cattle operation for the last 30 years. He is an active member of the WV Farm Bureau Association.

Lori Lynn Young is nominated in LAA 2, Ritchie County, to serve as COC member for a 3-year term beginning January 1, 2019. Lori resides in Ritchie County where she is a beekeeper and potential maple syrup producer. Lori is an active member of the Mountaineer Beekeeper's Association, has assisted with instructing the beginning beekeeping course at WVU – Parkersburg, and fosters kittens for the local humane society.

Gary Oates is nominated in LAA 4, eastern community of Wood County, to serve as COC member for a 3-year term beginning January 1, 2019. Gary resides in Wood County where he currently produces corn, soybean, hay and livestock for the last 40 years. He is a member of the WV Farm Bureau Association, WV Angus Association, American Angus Association and the WV Cattlemen Association.

Sign in/Sign up!

Farmers, ranchers and agricultural producers have new online options to access U.S. Department of Agriculture (USDA) programs. Through USDA's new streamlined process, producers doing business as an individual can now register, track and manage their applications for the Market Facilitation Program (MFP) and 2017 Wildfires Hurricanes Indemnity Program (2017 WHIP) on the secure and convenient www.farmers.gov. Producers doing business as an individual first need to sign up for the Level 2 eAuthentication access. Currently USDA eAuthentication does not have the mechanism to issue accounts to businesses, corporations, other entities or for anyone acting on behalf of another individual or entity.

- Step 1: Create and online account at www.eauth.usda.gov

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- Step 2: Complete identity verification by either using the online self-service identity verification method or by completing the identity verification in-person at your USDA Service Center.
- Step 3: You're enrolled
- Step 4: Contact your local USDA Service Center to have your new Level 2 account linked with your USDA customer record
- Step 5: You're ready to Log In

Or go to your local USDA Service Center and our supportive staff will help you sign up for Level 2 Access right in the office! They will get you online so you can create an online account at <https://www.farmers.gov/sign-in>. You'll complete identity verification right on the spot. You're enrolled! Users with a secure Level 2 eAuthentication ID linked to their USDA customer record can apply for select USDA programs, view and print farm maps and farm records data. Enrolling is easy! Visit [farmers.gov/sign-in](https://www.farmers.gov/sign-in) to learn more.

To locate a service center near you or use online services not requiring eAuthentication access, visit www.farmers.gov. For technical assistance, call the eAuthentication help desk at 1-800-457-3642.

USDA Microloans Help Farmers Purchase Farmland and Improve Property

Producers, Including Beginning and Underserved Farmers, Have a New Option to Gain Access to Land

The U.S. Department of Agriculture (USDA) is offering farm ownership microloans, creating a new financing avenue for farmers to buy and improve property. These microloans are especially helpful to beginning or underserved farmers, U.S. veterans looking for a career in farming, and those who have small and mid-sized farming operations.

The microloan program has been hugely successful, providing more than 16,800 low-interest loans, totaling over \$373 million to producers across the country. Microloans have helped farmers and ranchers with operating costs, such as feed, fertilizer, tools, fencing, equipment, and living expenses since 2013. Seventy percent of loans have gone to new farmers.

Now, microloans will be available to also help with farm land and building purchases, and soil and water conservation improvements. FSA designed the expanded program to simplify the application process, expand eligibility requirements and expedite smaller real estate loans to help farmers strengthen their operations. Microloans provide up to \$50,000 to qualified producers, and can be issued to the applicant directly from the USDA Farm Service Agency (FSA).

To learn more about the FSA microloan program visit www.fsa.usda.gov/microloans, or contact your local FSA office.

Persons with disabilities who require accommodations to attend or participate in this meeting should contact Eleanor N. Grogg at [304-422-9072](tel:304-422-9072) extension 2 or Federal Relay Service at 1-800-877-8339.



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USDA, Office of the Assistant Secretary for Civil Rights, Office of Adjudication, 1400 Independence Ave.,
SW, Washington, DC 20250-9410 or call (866) 632-9992 (Toll-free Customer Service), (800) 877-8339
(Local or Federal relay), (866) 377-8642 (Relay voice users).

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A circular blue stamp containing the handwritten initials "lcb".

Nichols, Jessica

From: Nichols, Jessica
Sent: Friday, November 16, 2018 10:09 AM
To: Neal, Kimberly
Cc: Mike Nichols
Subject: Blockage - Ritchie County

Noreen Leskowic
Tree blocking creek with buildup of debris
Ritchie County near Pennsboro
304-997-7466

Jess



Jessica M. Nichols, District Manager
Little Kanawha Conservation District
West Virginia Conservation Agency
jnichols@wvca.us or lkcd@wvca.us
304-422-9088

Completed Project Summary - Lump Sum

District: LKCDContract/Work Order #: LKCD-O&M18-NFH

Modification # & Amount (if applicable): _____

Contractor/Crew: TVCD Work CrewInspector(s): Michael ScherpenbergProject Start Date: 10/19/2018Completion Date: 11/28/2018Contracted Amount: \$ \$78,000

SUMMARY

The work crew from Tygart Valley Conservation District was contracted for debris removal on the North Fork of Hughes River dam located within North Bend State Park. Work began on 10/19/18. The work crew used a boat to pull debris from the riser of the dam to the bank in the auxiliary spillway where they used an excavator with a bucket and thumb to pull the debris out of the water and onto the spillway. Laborers cut the woody debris with chainsaws down to a size that fit into a dump truck. The debris was then hauled to a disposal site within the park and placed in a windfall pattern for wildlife habitat. All debris obstructing and collecting in the flood pool around the riser was removed and disposed of according to the work order. On multiple occasions during the project, rain events washed more debris down to the riser that needed to be removed. Following a storm, two trees fell across the access road that the crew cut and left in place at discretion of the park superintendent. Following debris removal, the work crew reseeded and mulched all areas of disturbance. The work was completed on 11/28/2018.

TOTAL PROJECT COST

\$ 78,000.00

Project completion verified by:

Inspector signature: Michael ScherpenbergDate: 12/03/2018Managers signature: Judith LynnDate: 12/3/2018

Must be completed for all lump sum contracts/work orders. Attach work order, narrative, inspection forms, and related information.



Auxiliary spillway outlet (tire tracks in photo were not from TVCD work crew)



Auxiliary spillway inlet



Disposal site for woody debris



Riser following the debris removal