

WVCA & EPCD Conservation Programs



Barbie Elliott

November 26, 2018



What is a conservation district ...

- Formed in response to Dust Bowl
- Legal Unit of State Government
 - Laws of WV Chapter 19 Article 21.A.
- EPCD organized February 19

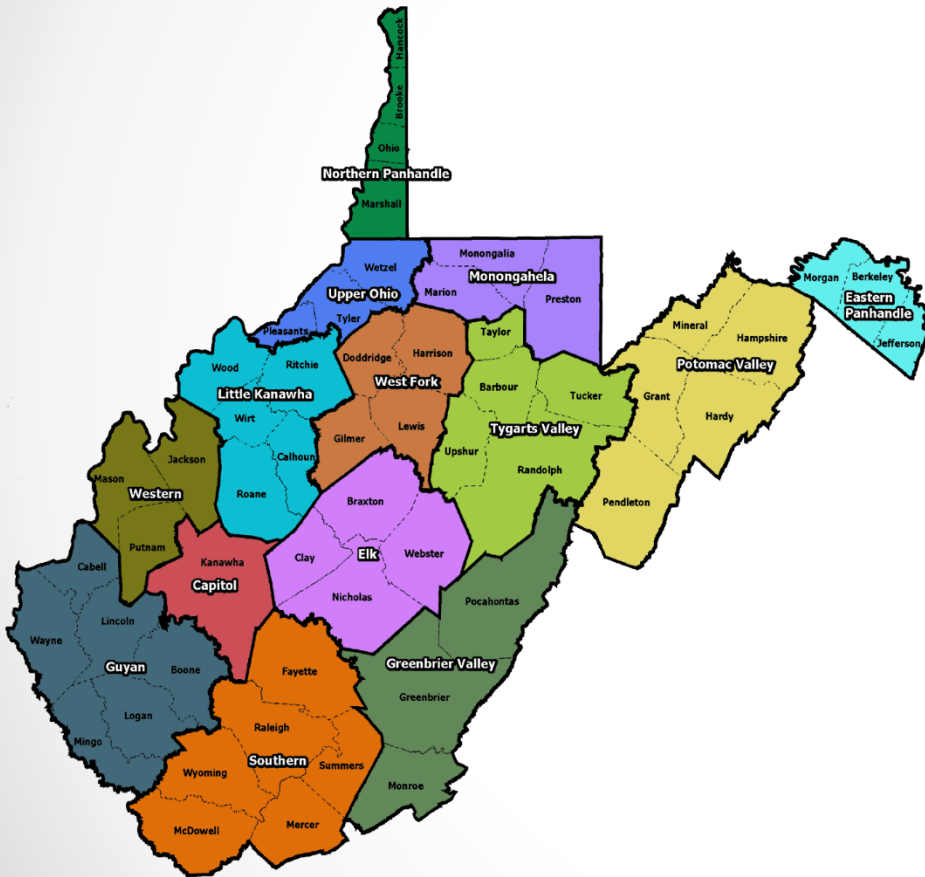


Mission Statement:

To provide for and promote the protection and conservation of West Virginia's soil, land, water and related resources for the health, safety and general welfare of the state's citizens.



West Virginia 14 Conservation Districts



Conservation District Offices

Capitol (CCD)
Kanawha
418 Goff Mountain Rd. Suite 102
Cross Lanes, WV 25313
Phone: (304) 759-0736

Eastern Panhandle (EPCD)
Berkeley, Jefferson, and Morgan
151 Aikens Center, Suite 2
Martinsburg, WV 25404
Phone: (304) 263-4376
Fax: (304) 263-4986

Elk (ECD)
Braxton, Clay, Nicholas, and Webster
740 Airport Rd.
Sutton, WV 26601
Phone: (304) 765-2535
Fax: (304) 765-9635

Greenbrier Valley (GVCD)
Greenbrier, Monroe, and Pocahontas
179 Northridge Drive
Lewisburg, WV 24901
Phone: (304) 645-6173
Fax: (304) 645-4755

Guyan (GCD)
Boone, Cabell, Lincoln,
Logan, Mingo, and Wayne
2631 5th Street Road
Huntington, WV 25701
Phone: (304) 528-5718
Fax: (304) 691-4417

Little Kanawha (LKCD)
Calhoun, Ritchie, Roane,
Wirt, and Wood
91 Boyles Lane
Parkersburg, WV 26104
Phone: (304) 422-9088
Fax: (304) 422-9086

Monongahela (MCD)
Marion, Monongalia, and Preston
201 Scott Avenue
Morgantown, WV 26508
Phone: (304) 296-0081
Fax: (304) 285-3151

Northern Panhandle (NPCD)
Brooke, Hancock, Marshall, and Ohio
1 Ballpark Drive
McMechen, WV 26040
Phone: (304) 238-1231

Potomac Valley (PVCd)
Grant, Hampshire, Hardy,
Mineral, and Pendleton
500 East Main Street
Romney, WV 26757
Phone: (304) 822-5174

Southern (SCD)
Fayette, McDowell, Mercer,
Raleigh, Summers, and Wyoming
463 Ragland Road
Beckley, WV 25801
Phone: (304) 253-0261
Fax: (304) 253-0238

Tygarts Valley (TVCD)
Barbour, Randolph, Taylor,
Tucker, and Upshur
16346 Barbour County Hwy
Philippi, WV 26416
Phone: (304) 457-3026
Fax: (304) 457-6927

Upper Ohio (UOCD)
Pleasants, Tyler, and Wetzel
201 Underwood Street
Middlebourne, WV 26149
Phone: (304) 758-2512
Fax: (304) 758-5007

West Fork (WFCD)
Doddridge, Gilmer, Harrison, and Lewis
87 Ollie Lane STE 104
Mt. Clare, WV 26408
Phone: (304) 627-2160

Western (WCD)
Jackson, Mason, and Putnam
224-C First Street
Point Pleasant, WV 25550
Phone: (304) 675-3054
Fax: (304) 675-3054



Services Offered ...

- Analyses
 - Forage
 - Soil
- Equipment Rentals
- Watershed Association Support
- Cost Share Assistance
 - Home
 - Agricultural
- Seedling and Rain Barrel Sales
 - 10,000 seedlings
 - 83 Rain Barrels/Kits
- Conservation Education
 - Public and private school systems
 - Community groups and organizations



Education and Outreach Activities

- Directly worked with 2700 children and adults since January
- Workshops and Trainings
- Classroom Lessons
- Water Testing
- Tree Seedlings
- Environmental Literacy



EPCD Rental Equipment



**Great Plains Model
606NT 6 foot no-till drill**
\$10.00 per acre



**Great Plains 705NG
7 foot no-till drill**
\$10.00 per acre



**2: Haybuster
10 foot no-till drill**
\$10.00 per acre



Crop Roller
No Charge

New Location:

**J & P Service and Repair
2892 Winchester Ave.
Martinsburg, WV 25405
304-240-7379**



Weed Wiper
\$50.00/day



Stoltfus 5-Ton Lime Spreader
\$80.00/day



Poultry Litter Spreader
\$80.00/day



West Virginia Conservation Agency

Forage and Soil Sampling

Forage analysis can provide the landowner with nutrient, mineral and protein content information about their feedstock.

How will This Benefit You?

- Receive nutrient information
- Determines whether you need to feed grain/supplements
- Can help to establish a grazing program that will benefit your livestock throughout their development.
- Can inform you of nutrient deficiencies in your soil

What Will the Analysis Consist of?

Package I: Dry Matter, Crude protein, Available protein, ADF, NDF, Unavailable protein, Lignin ash, NSC, RFV, TDN, NEM, NEG, NEL, Calcium, Phosphorus, Magnesium, Potassium, and Sulfur

Producer-\$7.20/sample

District-\$10.80/sample

Package II: Iron, Copper, Manganese, Zinc and Sodium in addition to the total Package I analysis

Producer-\$9.20/sample

District-\$13.80/sample

Soil Sampling

50% cost share for complete soil analysis

Producer-\$4.50/sample

District-\$4.50/sample



Jefferson County Watershed Quality Improvement Program

Goal is to reduce fecal coliform in the stream

- Septic System Pumping
 - 50% cost share up to \$150

Stream Exclusion Fencing with

- Alternative water system
- Stream Crossings



Water Quality Projects

- Improving water quality in targeted watersheds
- Achieving TMDLs in impaired streams
- Reducing Chesapeake Bay pollutants of concern (N, P, and Sediment)



Back Creek Watershed Protection Watershed Project

- Stream Restoration
- Conservation Easements

Elks Run 319 Phase II Watershed Project

- Repair/upgrade 1 failing septic systems
- Hold 1 septic workshop

Sleepy Creek Watershed Project Phase III (Septic)

- Septic Pumping's
- Septic Upgrades
- Riparian Buffer Plantings



Agriculture Enhancement Program

and



Chesapeake Bay Program

A Watershed Partnership



2 Sign Up Periods

- Summer

- June through August
- Practices need to be completed either by December 2018 or are practice specific

- Winter

- December 1 through February 1, 2019
- Practices need to be completed either by June 13, 2019 or are practice specific



Agriculture Enhancement Program

- Lime
- Hay Re-Seeding
- Pasture Re-Seeding
- Hay or Pasture Establishment
- Frost Seeding





Chesapeake Bay Program

A Watershed Partnership

- Cover Crop (only Fall sign up)
- Divisional Fencing
- Stream Fencing
- Heavy Use Area Protection



Lime

- **50%** cost share rate, not to exceed **\$20/ton**
- **75 acres** eligible per producer per fiscal year
- Must have **soil test results** that call for lime, less than 3 years old.

RECOMMENDATIONS FOR CROP: GRASS PASTURE (less than 30% legume)

Aglime	2.5 TONS/ACRE
Fertilizer - N (Lbs/Acre)	50 - 200
Fertilizer - P2O5 (Lbs/Acre)	120
Fertilizer - K2O (Lbs/Acre)	0



Hay Reseeding

- Flat Rate of **\$65/acre**
- Planting dates are March 15 to **May 1** and August 15 to September 15
- Producers are eligible up to an accumulative of **75 acres** of hay and pasture per fiscal year (July to June).
- Must have **soil tests** less than three (3) yrs. old.
- Field is ineligible if:
 - pH is less than **5.6**
 - **P levels** are below: 12 lbs./ac, 6 PPM or 28 lbs./ac of P_2O_5
 - **K levels** are below: 76 lbs./ac, 38 PPM or 92 lbs./ac of K_2O .

LAB TEST RESULTS

Nutrients	Values	Rating							
Soil pH	5	L.R.: 2.4				LOW		MEDIUM	
P2O5(Lbs/A)	9	LOW	P2O5						
K2O(Lbs/A)	270	VERY HIGH	K2O						
Ca(Lbs/A)	771	LOW	Ca						
Mg(Lbs/A)	179	MEDIUM	Mg						

SOIL ANALYSIS REPORT

Analytical Method(s): SMP Buffer pH Mehlich 3 Loss On Ignition Water pH

Date Received: 07/14/2017

Date Of Analysis: 07/17/2017

Date Of Report: 07/17/2017

Sample ID Field ID	Lab Number	OM	W/V	ENR	Phosphorus				Potassium	Magnesium		Calcium	Sodium		pH		Acidity	C.E.C
		% Rate	Soil Class	lbs/A	M3 ppm Rate	ppm	Rate	ppm	Rate	K ppm Rate	Mg ppm Rate	Ca ppm Rate	Na ppm Rate	ppm	Soil pH	Buffer Index	H meq/100g	meq/100g
FRONT PASTURE	09647	6.4 H		150	38 M					360 VH	169 M	1352 M			6.3		1.1	10.2



Pasture Reseeding

- Flat Rate of **\$65/acre**
- Planting dates are March 15 to **May 1** and August 15 to September 15
- Producers are eligible up to an accumulative of **75 acres** of hay and pasture per fiscal year (July to June).
- Must have **soil tests** less than three (3) yrs. old.
- Field is ineligible if:
 - pH is less than **5.6**
 - **P levels** are below: 12 lbs./ac, 6 PPM or 28 lbs./ac of P_2O_5



Hay/Pasture Establishment

- Flat Rate of \$125/ac.
- Planting dates are March 15 to **May 1** and August 15 to September 15
- Producers are eligible up to an accumulative of 50 acres per fiscal year (July to June).
- Must stay in Hay or pasture for 5 years.
- Must have soil tests less than three (3) yrs. old.
- Field is ineligible if:
 - pH is less than 5.6
 - P levels are below: 12 lbs./ac, 6 PPM or 28 lbs./ac of P205
 - K levels are below: 76 lbs./ac, 38 PPM or 92 lbs./ac of K20



Frost Seeding

- Flat rate of **\$20/ ac.**
- Not to exceed **50 acres** per applicant.
- If soil pH of any field is less than 5.6 that field is ineligible.
- Must be planted by **March 15**





Chesapeake Bay Program

A Watershed Partnership

- Cover Crop

- Not to exceed **100 acres**
- Must follow **a row crop** (meaning corn, soybeans, wheat or barley)
 - Dates to be planted:
 - **Oct. 5: \$50 /ac**
 - **Oct. 18: \$40/ac.**
 - **Nov. 09: \$30/ac**



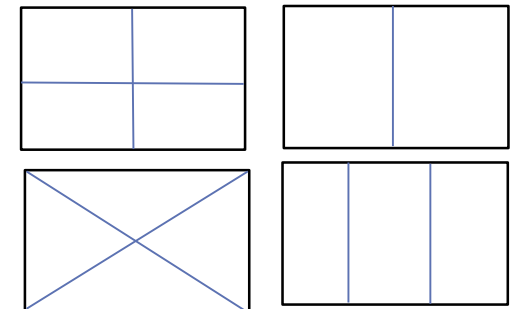
Divisional Fencing

- Total Fence Approval Not to exceed \$5,000.00 per applicant per Fiscal year.
 - Must have livestock to qualify.
 - Must have exterior fence installed already to qualify.

BMP	Cost Share
Interior Fence	\$1.49/ft.
Pipeline	\$2.04/ft.
Pumping Plant	\$1,961.30/ea.
Watering Facility	\$1,118.65/ea.



Examples of Divisional Fencing with exterior fence already installed:



Stream Fencing

- **Must have livestock** in the stream at this time.
- O & M by landowner **10 yr. Agreement**
- **Minimum 10 feet** from stream bank.
- **90% cost share** / 10% can be in-kind(not to exceed **\$8,000** per person per fiscal year)

Cost Share Rate:

Fence per foot : \$1.85/ft.

Stream crossing: \$6.48 sq. ft.

Watering facilities : \$1,118.65

Pipeline per foot: \$2.04/ft.



Heavy Use Area Protection

- Use of **gravel and fabric only**
- No concrete
- Flat rate of **\$1.32/sq. foot**
- Maximum per producer **\$2,000**



Any Questions?

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Conservation Specialist

WV Conservation Agency

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Martinsburg, WV 25404

NEW Direct Office #: 1-681-247-3012

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