From:
Morgan County Extension Service
POB 35
West Liberty, KY 41472

COOPERATIVE EXTENSION SERVICE
University of Kentucky – College of Agriculture

Soil Test Report

Lexington 859-257-2785
Princeton 270-365-7541
www.rs.uky.edu/soils

COUNTY SAMPLE NO.: 1757

REPORT FORM: A

To:
Extension, Morgan Co.
1002 Prestonsburg St.
West Liberty, KY 41472

Sarah Fannin 606-743-3292
CEA for Ag & Natural Resources

Date	Owner Sample ID	Owner ID	County Code	UK Lab NO.
3/29/2016	switchgrass	191	175	10069

Nutrient	Lab Results	Level of Adequacy					Calculated CEC Data	
		Very Low	Low	Medium	High	Very High		
Phosphorus (P)	55	>>>>>>>>>>>>>>>>>>>>>>>>>>>						
Potassium (K)	80	>>>>>>					CEC (meg/100g):	11
Soil pH	6.9						%Base Sat.:	85
Buffer pH	7.3						%K:	1
Calcium (Ca)	3403						%Ca:	79
Magnesium (Mg)	140	>>					%Mg:	5
Zinc (Zn)	2.9						%H:	15
Other Test								

Acres	Primary Crop	Primary Management	Primary Use	Previous Crop	Previous Management	Previous Use	Crop 2 Years Ago Tobacco	Soil Drainage
3	Switchgrass	New Seeding	Hay					Moderately Well

RECOMMENDATIONS:	N	P2O5	K2O	LIME	Mg	Zn
	see comments below	30 lb/ac	100 lb/ac	None	None	None

COMMENTS:

Mehlich III used for P, K, Ca, Mg, and Zn (lbs/acre). Crop response is highly probable with Very Low or Low soil levels, slight with Medium, and not likely with High or Very High. N, P2O5, K2O, Mg, and Zn recommendations are based on lbs of the nutrient. Fertilizer needed will depend on nutrient content in the fertilizer. Soil pH is calculated from 1 M KCl soil pH using: 0.91 x 1 M KCl soil pH + 1.34. 1 M KCl soil pH and Sikora II buffer pH are used for determining lime needs based on 100% effective lime. Lime quality in KY is defined by relative neutralizing value (RNV). RNVs for ag lime are determined by the KY Dept of Ag and are on the internet (publications at soils.rs.uky.edu).

For new seedings, do not apply nitrogen at the time of seeding. A topdressing of 40 to 60 lb of N/A in July of the seeding year helps the grass become established.

For CRP or other conservation purposes, fertilizer is seldom needed after establishment. Nitrogen should not be applied. Apply P and K only if soil test is in the low range. Apply lime when pH drops below 5.8. For hay or pasture of established grass, apply 40 to 60 lb of N/A just before growth starts. If the grass is harvested, apply 40 to 60 more lbs of N/A if more forage is needed.

For additional information, ask your local Extension Office for the publication AGR-145 "Warm Season Perennial Grasses for Forage in Kentucky".

UK Forage publications can be found at the website http://www.uky.edu/Ag/Forage/ForagePublications.htm and variety trial information can be found at http://www.uky.edu/Ag/Forage/ForageVarietyTrials2.htm

Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability, or national origin. UNIVERSITY OF KENTUCKY, KENTUCKY STATE UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE AND KENTUCKY COUNTIES COOPERATING.

From:
Morgan County Extension Service
POB 35
West Liberty, KY 41472

UK COOPERATIVE EXTENSION SERVICE
University of Kentucky – College of Agriculture

Soil Test Report

Lexington 859-257-2785
Princeton 270-365-7541
www.rs.uky.edu/soils

COUNTY SAMPLE NO.: 1758

REPORT FORM: A

To:
Extension, Morgan Co.
1002 Prestonsburg St.
West Liberty, KY 41472

Sarah Fannin 606-743-3292
CEA for Ag & Natural Resources

Date	Owner Sample ID	Owner ID	County Code	UK Lab NO.
3/29/2016	behind Chuck	191	175	10070

Nutrient	Lab Results	Level of Adequacy					Calculated CEC Data	
		Very Low	Low	Medium	High	Very High		
Phosphorus (P)	111	>>>>

From:
Morgan County Extension Service
POB 35
West Liberty, KY 41472

UK COOPERATIVE EXTENSION SERVICE
University of Kentucky – College of Agriculture

Soil Test Report

Lexington 859-257-2785
Princeton 270-365-7541
www.rs.uky.edu/soils

COUNTY SAMPLE NO.: 1759

REPORT FORM: A

To:
Extension, Morgan Co.
1002 Prestonsburg St.
West Liberty, KY 41472

Sarah Fannin 606-743-3292
CEA for Ag & Natural Resources

Date	Owner Sample ID	Owner ID	County Code	UK Lab NO.
3/29/2016	Chuck #2	191	175	10071

Nutrient	Lab Results	Level of Adequacy: Very Low	Low	Medium	High	Very High
Phosphorus (P)	23	>>>>>>>>>>>>>>>>				
Potassium (K)	79	>>>>>>				
Soil pH	5.6					
Buffer pH	6.8					
Calcium (Ca)	1295					
Magnesium (Mg)	166	>>>>>>>>>>>>>>>

From:
Morgan County Extension Service
POB 35
West Liberty, KY 41472

COOPERATIVE EXTENSION SERVICE
University of Kentucky – College of Agriculture

Soil Test Report

Lexington 859-257-2785
Princeton 270-365-7541
www.rs.uky.edu/soils

COUNTY SAMPLE NO.: 1760

REPORT FORM: A

To:
Extension, Morgan Co.
1002 Prestonsburg St.
West Liberty, KY 41472

Sarah Fannin 606-743-3292
CEA for Ag & Natural Resources

Date	Owner Sample ID	Owner ID	County Code	UK Lab NO.
3/29/2016	Chuck #3	191	175	10072

Nutrient	Lab Results	Level of Adequacy: Very Low	Low	Medium	High	Very High
Phosphorus (P)	209	>>>>

From:
Morgan County Extension Service
POB 35
West Liberty, KY 41472

UK COOPERATIVE EXTENSION SERVICE
University of Kentucky – College of Agriculture

Soil Test Report

Lexington 859-257-2785
Princeton 270-365-7541
www.rs.uky.edu/soils

COUNTY SAMPLE NO.: 1761

REPORT FORM: H

To:
Extension, Morgan Co.
1002 Prestonsburg St.
West Liberty, KY 41472

Enter 606-743-3292
Enter

Date	Owner Sample ID	Owner ID	County Code	UK Lab NO.
3/29/2016	new garden	191	175	10073

Nutrient	Lab Results	Level of Adequacy: Very Low	Low	Medium	High	Very High	Calculated CEC Data
Phosphorus (P)	535	>>>>