Appendix A – Soil Sample Results

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 9

WVU Lab No: 1109 | Your Sample ID: W1 | County No: Lincoln
County Name: Lincoln | ASCS Cost Sharing: | Sampling Date: 03/08/10
Field Acres: 1 | Previous Crop: | Soil Texture:
Tillage Method: | Soil Name:

Soil Test Results:

LBS/ACRE | Percent | PPM

pH	P	K	CA	MG	O.M.	ZN	CU	MN
8.1	87 VH1	178 H1	2931 H1	771 VH1				

This space for office use

CEC	H	BS	MO?
0.0	11		
0	100		

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Available	K	CA	MG
MEQ/100 G	0.2	7.3	3.2
% SAT.	2	68	30

L.R. 0 Limed in last 12

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: Tall Grass Hay or Pasture (Less than 30% legume)

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
NONE	50-200 LBS/A	25 LBS/A	60 LBS/A

THE ABOVE RECOMMENDATIONS ARE FOR A YEILD GOAL OF 3 TO 4 TONS/ACRE AND ASSUME A SOIL PH CORRECTED TO 6.5. N NEEDS DEPEND ON DESIRED YEILD GOAL. K APPLICATION SHOULD BE REDUCED IF MAGNESIUM (MG) IS LOW (LESS THAN 100 LBS/A).

USE ANY FERTILIZER OR APPROVED ORGANIC MATERIAL THAT WILL SUPPLY THE PLANT NUTRIENTS RECOMMENDED. YOUR COUTY AGENT CAN SUGGEST LOCALLY AVAILABLE FERTILIZERS TO SUIT THE RECOMMENDATION. APPLY 50 LBS/A OF N BY ITSELF OR WITH A COMPLETE FERTILIZER IN LATE WINTER AND/OR SEPTEMBER. AN ADDITIONAL 50 LBS/A OF N CAN BE APPLIED AFTER THE FIRST CUTTING IF DESIRED. RETEST YOUR SOIL EACH FALL.

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 10

WVU Lab No: 1110	Your Sample ID: W2		County No:
County Name: Lincoln	ASCS Cost Sharing:	NO	Sampling Date: 03/08/10
Field Acres: 1	Previous Crop:		Soil Texture:
Tillage Method:	Soil Name:		

Soil Test Results:

	LBS/ACRE				Percent			
pH	PPM P	K	CA	MG	O.M.	ZN	CU	MN
5.9	55 H1	136 H1	1901 MED	507 VH1				

This space for office use

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Morgantown WV 26506

	CEC	H	BS
	3.8	11	35 65

Available	K	CA	MG
MEQ/100 G	0.2	4.8	2.1
% SAT.	2	44	19

L.R. 1.9 Limed in last 12 MO?

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: CORN SILAGE

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
2 TONS/ACRE	150 LBS/A	70 LBS/A	120 LBS/A

THE ASSUMED ANNUAL YIELD GOAL IS 24 TONS/A. FOR A HIGHER GOAL, INCREASE THE ABOVE RATES BY 12 LB OF N, 8 LB OF P205, AND 8 LB OF K20 PER TON. IF CORN IS PLANTED IN A LEGUME STUBBLE, REDUCE N RATES BY 40 LB/A. FOR SOD-SEEDED CORN INCREASE N RATES BY 25 LB/A.
YOU CAN USE ANY FERTILIZER THAT WILL SUPPLY THE PLANT NUTRIENTS RECOMMENDED. CHECK WITH YOUR COUNTY AGENT ON LOCALLY AVAILABLE FERTILIZER GRADES THAT SUIT RECOMMENDATIONS. FOR CONVENTIONAL CORN, PLOW DOWN ABOUT 2/3 OF THE FERTILIZER. APPLY THE REST WITH THE PLANTER BUT NO MORE THAN 5 LBS OF N. IF ADDITIONAL N IS REQUIRED IT MAY BE SIDE-RESSED. PLOWING DOWN FERTILIZER IS USUALLY BETTER THAN APPLYING FERTILIZER AFTER PLOWING AND THEN BROADCASTING AND WISKING. MODERN PLANTERS WILL PLACE FERTILIZER 2 INCHES BELOW AND TO THE SIDE OF THE SEED ALLOWING FOR HIGHER FERTILIZER RATES. WITH OLD-STYLE PLANTERS, DO NOT USE OVER 50 LBS OF N PLUS K20 PER ACRE. IF N IS SIDE-DRESSED, THE CORN SHOULD BE 8-18 INCHES TALL. AND THE FERTILIZER SHOULD BE COVERED WITH 1 TO 2 INCHES OF SOIL.

NOTE: FOR ENVIRONMENTAL AND ECONOMIC REASONS, YOU SHOULD HAVE MANURE AND SOIL TESTED AND ADD ONLY THE NUTRIENTS REQUIRED BY THE CROP. IF YOU DO NOT HAVE A TEST ON MANURE, DECREASE THE PLANT NUTRIENTS RECOMMENDED BY 5 LB OF N, 3 LB OF P205, AND 3 LB OF K20 FOR EACH TON OF COW MANURE APPLIED BY 30 LB OF N, 20 LB OF P205, AND 10 LB OF K20 FOR EACH TON OF POULTRY MANURE APPLIED.

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 13

WVU Lab No: 1113	Your Sample ID: H1		County No:
County Name: Lincoln	ASCS Cost Sharing:	NO	Sampling Date: 03/12/10
Field Acres: 1	Previous Crop:		Soil Texture:
Tillage Method:	Soil Name:		

Soil Test Results:

pH	PPM P	LBS/ACRE K	CA	MG	Percent O.M.	ZN	CU	MN
7.5	55 H1	209 H1	4481 VH1	581 VH1				

This space for office use

Richard Herd
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Morgantown WV 26506

	K	CA	MG	CEC	H	BS
Available						
MEQ/100 G	0.3	11.2	2.4		0.0	14
% SAT.	2	81	17		0	100

L.R. 0 Limed in last 12 MO?

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: TALL CRASS HAY OR PASTURE (LESS THAN 30% LEGUME)

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
NONE	50-200 LBS/A	40 LBS/A	60 LBS/A

THE ABOVE RECOMMENDATIONS ARE FOR A YEILD GOAL OF 3 TO 4 TONS/ACRE AND ASSUME A SOIL PH CORRECTED TO 6.5. N NEEDS DEPEND ON DESIRED YIELD GOAL. K APPLICATION SHOULD BE REDUCED IF MANGESIUM (MG) IS LOW (LESS THAN 100 LBS/A).

USE ANY FERTILIZER OR APPROVED ORGANIC MATERIAL THAT WILL SUPPLY THE PLANT NUTRIENTS RECOMMENDED. YOUR COUNTY AGENT CAN SUGGEST LOCALLY AVAILABLE FERTILIZER TO SUIT THE RECOMMENDATION. APPLY 50 LBS/A OF N BY ITSELF OR WITH A COMPLETE FERTILIZER IN LATE

WINTER AND/OR SEPTEMBER. AN ADDITIONAL 50 LBS/A OF N CAN BE APPLIED AFTER THE FIRST CUTTING IF DESIRED. RETEST YOUR SIOL EACH FALL.

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 11

WVU Lab No: 1111	Your Sample ID: H2	County No:
County Name: Lincoln	ASCS Cost Sharing:	Sampling Date: 03/08/10
Field Acres: 1	Previous Crop:	Soil Texture:
Tillage Method:	Soil Name:	

Soil Test Results:

pH	P PPM	K LBS/ACRE	CA	MG	O.M. Percent	ZN	CU	MN
6.4	77 H1	243 VH1	4031 VH1	750 VH1				

This space for office use

Richard Herd
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Morgantown WV 26506

	K	CA	MG	CEC	H	BS
Available						
MEQ/100 G	0.3	10.1	3.1	1.8	15	
% SAT.	2	66	20	12	88	
L.R. .9	Limed in last 12 MO?					

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: TALL CRASS HAY OR PASTURE (LESS THAN 30% LEGUME)

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
NONE	50-200 LBS/A	40 LBS/A	0 LBS/A

THE ABOVE RECOMMENDATIONS ARE FOR A YEILD GOAL OF 3 TO 4 TONS/ACRE AND ASSUME A SOIL PH CORRECTED TO 6.5. N NEEDS DEPEND ON DESIRED YIELD GOAL. K APPLICATION SHOULD BE REDUCED IF MANGESIUM (MG) IS LOW (LESS THAN 100 LBS/A).

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WINTER AND/OR SEPTEMBER. AN ADDITIONAL 50 LBS/A OF N CAN BE APPLIED AFTER THE FIRST CUTTING IF DESIRED. RETEST YOUR SOIL EACH FALL.

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 12

WVU Lab No: 1112	Your Sample ID: H2		County No:
County Name: Lincoln	ASCS Cost Sharing:	NO	Sampling Date: 03/08/10
Field Acres: 1	Previous Crop:		Soil Texture:
Tillage Method:	Soil Name:		

Soil Test Results:

	LBS/ACRE				Percent			
pH	PPM	P	K	CA	MG	O.M.	ZN	CU MN
7.6		57 H1	194 H1	6504 VH1	847 VH1			

This space for office use

Richard Herd
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Morgantown WV 26506

		K	CA	MG	CEC	H	BS
Available							
MEQ/100 G		0.2	16.3	3.5		0.0	20
% SAT.		1	81	18		0	100

L.R. 0 Limed in last 12 MO?

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: TALL CRASS HAY OR PASTURE (LESS THAN 30% LEGUME)

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
NONE	50-200 LBS/A	40 LBS/A	60 LBS/A

THE ABOVE RECOMMENDATIONS ARE FOR A YEILD GOAL OF 3 TO 4 TONS/ACRE AND ASSUME A SOIL PH CORRECTED TO 6.5. N NEEDS DEPEND ON DESIRED YIELD GOAL. K APPLICATION SHOULD BE REDUCED IF MANGESIUM (MG) IS LOW (LESS THAN 100 LBS/A).

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WINTER AND/OR SEPTEMBER. AN ADDITIONAL 50 LBS/A OF N CAN BE APPLIED AFTER THE FIRST CUTTING IF DESIRED. RETEST YOUR SOIL EACH FALL.

West Virginia University Soil Testing Laboratory
Morgantown WV 26506-6108
Soil Test Report-2010

4-14-10
312 - 8

WVU Lab No: 1108	Your Sample ID: S2		County No:
County Name: Lincoln	ASCS Cost Sharing:	NO	Sampling Date:
Field Acres: 1	Previous Crop:		Soil Texture:
Tillage Method:	Soil Name:		

Soil Test Results:

pH	PPM P	LBS/ACRE K	CA	MG	Percent O.M.	ZN	CU	MN
7.1	63 H1	171 H1	3555 H1	536 VH1				

This space for office use

CEC	H	BS
0.0	0	100

Richard Herd
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Morgantown WV 26506

Available	K	CA	MG
MEQ/100 G	0.2	8.9	2.2
% SAT.	2	78	20
L.R. 0	Limed in last 12 MO?		

RECOMMENDATIONS TO LANDOWNER FOR AGLIME AND FERTILIZER:

For: TALL CRASS HAY OR PASTURE (LESS THAN 30% LEGUME)

Aglime	Nitrogen (N)	Phosphate (P205)	Potash (K20)
NONE	50-200 LBS/A	40 LBS/A	60 LBS/A

THE ABOVE RECOMMENDATIONS ARE FOR A YEILD GOAL OF 3 TO 4 TONS/ACRE AND ASSUME A SOIL PH CORRECTED TO 6.5. N NEEDS DEPEND ON DESIRED YIELD GOAL. K APPLICATION SHOULD BE REDUCED IF MANGESIUM (MG) IS LOW (LESS THAN 100 LBS/A).

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WINTER AND/OR SEPTEMBER. AN ADDITIONAL 50 LBS/A OF N CAN BE APPLIED AFTER THE FIRST CUTTING IF DESIRED. RETEST YOUR SOIL EACH FALL.