ROCK RIVER LABORATORY, INC.
AGRICULTURAL ANALYSIS

Soil Test Report

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County RUSK
Received 12/29/2015
Slope 0%
Field
Beatric
Acres
Plow Depth 7.0
Soil Name
unknown
Previous Crop

Nutrient Recommendations

Cropping Sequence	Yield Goal (per acre)	Crop Nutrient Need (lbs/acre)			Fertilizer Credit (lbs/acre)				Nutrients to Apply(lbs/acre)		
		N	P2O5	K2O	Legume N	Manure N	P2O5	K2O	N	P2O5	K2O
Corn, silage	20.1-25 ton	145	110	240	0	0	0	0	145	110	240
Corn, grain	171-190 bu	*	100	95	0	0	0	0	*	100	95
Pasture, grass, seeding	0.5-1.9 ton	130	50	115	0	0	0	0	130	50	115
Pasture, legume(<30%)-grass mi	0.5-1.9 ton	20	45	110	0	0	0	0	20	45	110

*For information on the new N application rate guidelines for corn see http://uwlab.soils.wisc.edu/pubs/MRTN
There is no lime recommendation.

Laboratory Analysis for Field Beatric, Lab No 186526

Sample Num	Soil pH	Om %	P ppm	K ppm	60-69 Lime Req(T/a)	Ca ppm	Mg ppm	Est Cec	B ppm	Mn ppm	Zn ppm	Sulfate-S ppm	Texture Code	Sample Density	Buffer Code
1	6.2	3.9	16	56		1426	359	14					2	0.88	7.0

Additional Information, Secondary & Micronutrient Recommendations

Year 2: If corn is harvested for silage instead of grain add extra 30 lbs P2O5 per acre and 90 lbs K2O per acre to next crop.
Year 3: Split nitrogen applications into two to three applications per year.
Starter fertilizer (e.g. 10+20+20 lbs N+P2O5+K2O/a) is advisable for row crops on soils slow to warm in the spring.
If you want to consider adjusting N rates for corn silage see http://uwlab.soils.wisc.edu/pubs/MRTN/
Recommended rates are the total amount of nutrients to apply (N-P-K), including starter fertilizer.
** If no hay harvests are made and animal waste is reasonably well distributed by good management practices, P and K needs should be minimal. Retest the field after four years of pasturing to determine if more P and K should be applied.
Ca - H Mg-Opt
%Base Saturation: Ca 69.8% Mg 28.8% K 1.4%
Response to added Ca is unlikely.
Soil Mg is optimum. Maintain level with dolomitic lime.

Test Interpretation for Field Beatric, Lab No 186526

Crop Name	Very Low	Low	Optimum	High	Very High	Excessive	Very Low	Low	Optimum	High	Very High	Excessive
Corn, silage	P						K					
Rotation pH	pH											

These recommendations are based on University of Wisconsin publication A2809. Data represents the soil sample, not necessarily the entire field.